

Transactions of the Kansas State Board of Agriculture, 1875

Section 23, Pages 661 - 690

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

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KANSAS HISTORICAL SOCIETY



660	TATE BOARD OF AGE	RICULTURE.
Po	OST OFFICES IN KANSA	S—Continued
Elmira.	Galesburgh.	Rotterdam.
Excelsior. Glen Elder.	Island.	Twin Creek.
Lulu.	Jacksonville. Ladore.	OTTAWA.
Naomi.	Odense.	Ada.
Pittsburgh. Round Spring.	Osage Mission.	Ailanthus.
Saltville.	South Mound. Thayer.	Bennington. Bluffton.
Shockley.	Urbana.	Churchill.
Solomon Rapids. Springfield.	NESS.	Coal Creek.
Waconda.	Bazine.	Culver.
West Asher.	Ness.	Delphos. Grover.
MONTGOMERY.	NORTON.	Lamar.
Caney.	Almena.	Lindsey.
Cherry Vale	Cactus.	Minneapolis. Ohio Grove.
Coffeyville. Elk City.	Devizes. Lenora.	Pipe Creek.
Fawn Creek.	Leota.	Sumnerville.
Forest Grove.	Long Branch.	Windsor. Yale.
Harrisonville. Havana.	Neighborville. Norton.	
Independence,	Port Landis.	PAWNEE.
Liberty.	West Union.	Fort Larned. Garfield.
Parker. Radical City.	OSAGE,	Larned.
Rutland,	Arvonia.	PHILLIPS.
Sternerton.	Barclay.	Bow Creek.
MORRIS.	Burlingame.	Chillicothe.
Beman.	Carbondale. Dragoon.	Crow Creek.
Council Grove.	Fairfax.	Dickeyville. Fredericksburgh.
Diamond Springs. Dunlap.	Farmersville.	Goode.
Far West.	Kedron. La Mont's Hill.	Granite Bluff.
Hill Spring.	Lyndon.	Jimtown. Kildare.
Leland.	Melvern.	Kirwin.
Parkersville. Skiddy.	Michigan Valley.	Logan.
White City.	Olivet. Osage City.	Long Island.
NEMAHA.	Pop Corn.	Matteson. Mound.
Albany.	Quenemo.	Mount Zion.
America City.	Ridgeway. Scranton.	Norman.
Capioma.	Valley Brook	Phillipsburgh. Plumb Creek.
Centralia. Clear Creek.	Wilmington.	West Cedar.
Corning.	OSBORNE.	POTTAWATOMIE
Granada.	Bethany.	Adams Peak.
Lappin. Lorain.	Black Hawk.	Arispie.
Neuchatel.	Bloomington. Bull's City.	Bellegarde.
Sabetha.	Corinth.	Belvue. Blaine.
Seneca.	Covert.	Float.
Sother. Wetmore.	Delhi.	Grange.
	Emley. Free Will.	Laclede.
NEOSHO.	Grand Centre.	Leghorn. Louisville.
Austin. Chanute.	Kill Creek.	Maple Grove.
Cremona.	Mount Ayr.	Myers' Valley.
Earleton.	New Arcadia. Osborne.	Oak Grove.
Erie.	Pleasant Hill.	Olesburgh. Otter Lake.
Flat Rock.	Potterville.	Pleasant Run.



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POST	OFFICES IN KANSAS	-Continued.
Saint Clere.	Raymond.	El Paso.
Saint George. Saint Mary's Mission	River View. Stone Corral.	Fayette. Garden Plain.
Savannah.	Wildwood.	Greenwich.
Spring Side	RILEY.	Iowaville,
Vienna. Wamego.	Alert.	Jamesburgh. Minneha.
Westmoreland.	Bala.	Mount Hope.
	Berlin.	Ohio Centre.
RENO.	Big Timber. Manhattan.	Park City.
Bone Springs.	May Day.	Valley Centre. Waco.
Castleton. Haven.	Milford.	Wichita.
Hutchinson.	Ogden. Parallel.	SHAWNEE.
Idaville.	Randolph.	Auburn.
Jordan Springs. Langdon.	Riley Centre	Dover.
Leslie.	Stockdale.	Kingsville.
Mount Liberty.	Vinton. Wild Cat.	North Topeka. Pauline.
Netherland. New London.	Winkler's Mills.	Plowboy.
Nickerson.	ROOKS.	Richland.
Pretty Prairie. Reno Centre.	Floreyville.	Rossville.
	Rockport.	Silver Lake. Tecumseh.
Riverton. Salt Creek.	Rooks Centre.	Topeka.
Sego.	Stockton.	Wakarusa.
Westminster.	RUSH.	Waveland.
REPUBLIC.	Alexander.	SMITH.
Agenda.	Belfield. Brookdale.	Cedarville.
Albion.	Olney.	Cora.
Belleville. Centre Mound	Rush Centre.	Corvallis. Covington.
Cuba.	RUSSELL.	Crystal Plains.
Elma.	Bunker Hill.	Dresden.
Gomeria. Ida.	Dorrence.	Gaylord. Germantown.
Jay Eu.	East Wolf. Fairfield.	Judson.
Mimosa.	Kennebec.	Oriole.
Neilsburgh.	Lura.	Porter's Ranch. Smith Centre.
New Liberty. New Scandinavia.	Russell.	Stone Mound.
New Tabor.	SALINE.	Thompson.
Norway.	Appin.	Twelve Mile.
Prairie Grove. Prairie Home.	Broadview. Brookville.	Union. Valley Forge.
Seapo.	Falun.	
West Creek.	Gypsum Creek.	SUMNER.
White Rock.	Honek.	Alton. Argyle.
Wilber.	Mulberry. New Cambria.	Belle Plaine.
RICE.	Pliny.	Caldwell.
Allegan.	Poheta.	Chikaskia. Guelph.
Atlanta. Bartgestown.	Salemsburgh. Salina.	Hessville.
Coopersburgh.		Littleton.
Fair Point.	SEDGWICK.	London.
Glen Sharrald. Kansas Centre.	Afton. Blendon.	Lone Star. Milan.
Lodiana.	Clarion.	Oxford.
New Cincinnati.	Clear Water.	Rolling Green.
Noble.	Delano.	Rome. Salt City.
Peace.	Eldridge.	ball Oity.



662	STA	TE BOARD	of Agrici	ULTURE.	
	POST	OFFICES :	IN KANSAS-	-Concluded.	
South Have Sumner. Wellington.	n,	Ballard's Beekman.	Falls.	Verdi. Ward.	
	EGO.	Brantford Butler. Chepstow		100000000000000000000000000000000000000	OODSON.
WABA	UNSEE,	Clifton. De Witt.		Belmont. Byron. Centre Rid	ge
Alma. Bismark. Chalk Mound	d	Elm Grove Haddam. Hanover.		Cherry Cre	eek.
Cobb. Eskridge		Hollenber Joy Creek Kimeo.	g.	Defiance. Everett. Kalida.	
French Valle Grimm. Harveyville.	ey.	Peach Cre Reiter.		Neosho Fal Rose. Toronto	lls.
Maple Hill. Mission Gree	k	Round Gro Strawberry Washingto	7.		NDOTTE.
Newbury. Pavilion. Rockton.		WI	LSON.	Armstrong, Connor's St	ation
Snokomo. Templin. Wabaunsee.		Altoona, Buffalo. Coyville.		Edwardsvill Maywood. Muncie.	le.
WALL	ACE.	Fredonia. Greystone Guilford.		Pomeroy. Quindaro. Rosedale.	
Fort Wallace. Washin		Jurett. Middletown		Six Mile.	
идани	GTON.	Mandant	L.	Tiblow.	
Albia.	GTON.	Neodesha. New Alban	- 1	White Chur- Wyandotte.	ch.
	GTON.	Neodesha.	- 1	White Chur	ch.
Albia,		New Alban	у.	White Chur- Wyandotte.	
Albia,		New Alban	- 1	White Chur- Wyandotte.	ES.
CLAS OFFICE. Abiline	COUNTY.	F POST OFFI	CES IN KANSAS OFFICE.	White Chur. Wyandotte.	ES.
OFFICE. Abiline Atchison Barter Springs Burlingame Burlington	County. Dickinson	New Alban F POST OFFI SALARY. 3 1,100 1 3,500 3 1,200 3 1,200 3 1,000	OFFICE. OFFICE. Junction City La Cygne Lawrence	White Churwyandotte. Wyandotte. WITH SALARI COUNTY. Allen Davis Linn Douglas	ES. SALARY SALAR
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Albia. CLAS OFFICE. Abiline Atchison Baxter Springs Burlingane Burlington Chanute Chetopa Coffeyville Ellsworth Emporia Fort Leavenworth Fort Scott Garnett Girard Hays City Hiawatha Humboldt Hutchinson	County. Dickinson Atchison Cherokee Osage Coffey Neosho Labette Montgomery Ellsworth Lyon Anderson Crawford Crawford Crawford Crawford Crawford Crawford Crawford	Neodesha. New Alban F POST OFFI SALARY. 3	OFFICE. Iola Junction City La Cygne. Leavenworth Manhattan North Topeka Olathe Osage Mission Oswego Ottawa Paola Parsons Salina Topeka Wamego Waterville Wichita	White Chur. Wyandotte. Wyandotte. County. Allen Davis Linn Douglas Leavenworth Riley Shawnee Johnson Neosho Labette Saline Shawnee Pottawatomie Marshall Sedgwick	SALARY 3 1,20 2 2,500 3 1,200
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LIST OF MONEY ORDER OFFICES.

SEPTEMBER 1, 1875.

Offices in Italics are first-class money-order offices.

Offices marked "B" are British international money-order offices; "C" Canadian international money-order offices; "G" German international money-order offices, and "S" Swiss international money-order offices.

No single order issued for more than \$50.

Parties desiring to remit larger sums must obtain additional money orders.

No applicant, however, can obtain, in one day, more than three orders payable at the same office and to the same payee.

RATES OF COMMISSION CHARGED FOR MONEY ORDERS.

DOMESTIC RATES.

By act of Congress, approved March 3, 1875, the fees for domestic money-orders have been changed, so that "on and after the first day of July, 1875," the fees or commissions to be charged for the issue of domestic money-orders, will be as follows, namely:

lows, namely:	
On orders not exceeding \$15 Over \$15 and not exceeding \$30 Over \$30 and not exceeding \$40 Over \$40 and not exceeding \$50	.15
BRITISH A	ND SWISS RATES.
On orders not exceeding \$10	
CANA	DIAN RATES.
On orders not exceeding \$10 Over \$10 and not exceeding \$20 Over \$20 and not exceeding \$30 Over \$30 and not exceeding \$40 Over \$40 and not exceeding \$50	
GER	MAN RATES.
On orders not exceeding \$5	\$.15 .25
OFFICE. COUNTY.	OFFICE. COUNTY.
AbileneDickinso	n. Belleville Republic
AlmaWabaunse	ee. BeloitMitchell
AmericusLyo	
Arkansas CityCowle	
Atchison, B, C, G,Atchiso	
AugustaButle	
Baldwin City Dougle	
Baxter Springs, B,Cheroke	
Belle PlaineSumne	er. Cedar vale



Cherokee Chetopa, B	Nemaha.		,
Cherokee Chetopa, B			Osan
Chetopa, $B_{}$	Crawford	Manhattan, B	Rile
Clay Centre, B	Clawford,	Marion Centre	Mario
Clay Centre, B	Labette.	Marysville, B, G	Marshal
011.	Clay.	Minneapolis	Ottaw
Coffernille	Cloud.	Mound City	Lin
Columbus	Montgomery.	Muscotah	Atchison
Concordia	Cherokee.	Neodesha	Wilson
Cottonwood Falls	Cloud.		·····Woodson
Council Grove S	Morris.	Netawaka	Jackson
Detroit.	Dickinson.	Newton	Harvey
Dodge City	Ford.	North Topeka	Shawnee
Doniphan	Doniphan.	Olathe, B	Johnson
El Dorado	Butler.	Osage City	Osage
Elk City	Montgomery.	Osage Mission, B Osawatomie	Neosho
Elk Falls	Elk.	Osborne	Oaham
Ellsworth, B	Ellsworth.	Oskaloosa	Lofforgon
Emporia, $B, G \dots$	Lyon.	Oswego	Labetto
Erie	Neosho.	Ottawa	Franklin
Eureka	Greenwood.	Paola	Miami
	Marion.	Parker	Montgomery
Fort Harker	Ellsworth.	Parsons	Labette
Fort Scott, B , $G_{}$	Bourbon.	Peabody	Marion
	Marshall.	Peace	Rice
Fredonia	Wilson.	Peru	Chautaugua
Garnett	Anderson.	Phillipsburg	Phillips
Grant Pand	Crawford.	Pleasanton	Linn
Great Bend	Barton.	Russell, B	Russell.
Hanover	Washington.	Sabetha	Nemaha.
Hays City Hiawatha	Prome	Saint Mary's Mission	Pottawatomie.
Highland	Doninhan	Salina, B	Saline.
Holton	Jackson	Seneca	Nemaha.
Humboldt, B	Allen	Severance	Doniphan.
Hutchinson	Reno	Solomon City	Dickinson.
Independence		Thayer	Tooman Neosho.
Iola	Allen.	Topeka, B, C, G, S	Leavenworth.
Irving	Marshall.	Troy	Doninha-
Jewell	Jewell.	Valley Falls, B	Jefferson
Jewell Centre	Jewell.	(Late Grasshopp	er Falls.)
Junction City, B, G,	S Davis.	Wamego	Pottawatomie.
Kirwin	Phillips.	Washington	Washington.
La Cygne	Linn.	Waterville	Marshall.
Larned		Wathena	Doniphan.
Lawrence, B, C, G, S	SDouglas.	Wellington	Sumner.
Leavenworth, B, C, G		White Cloud	Doniphan.
Le Roy	Coffey.	Wichita	Sedgwick.
Louisburg	Elk.	Winchester	Jefferson.
Louisburg Louisville	Miami.	Winfield Wyandotte	Cowley.



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RAILROAD LANDS.

October 26th, the following letter was sent to the Land Commissioner of each of the land-grant railroads in the State:

" Office State Board of Agriculture, "Topeka, October 26, 1875.

"Dear Sir: If you will furnish this office with a statement of the unsold lands of your company, by counties, with maximum, minimum, and average price, together with such other information as will be of public interest, the same will be published, with like information from other sources, in the Fourth Annual Report of the State Board of Agriculture, which is now being compiled.

"Yours respectfully,

"ALFRED GRAY, Secretary."

In response to the foregoing, the following statements were received:

LAND DEPARTMENT OF THE ATCHISON, TOPEKA & SANTA FE RAILROAD COMPANY.

A. S. Johnson,

J. COOPER,

Acting Commissioner, Topeka, Kanas.

Secretary.

SECRETARY STATE BOARD OF AGRICULTURE:

In the following table you will find the whole number of acres belonging to this company, by counties; the number of acres sold in each county up to the 31st of October, 1875; the number of acres remaining for sale, and the minimum and maximum prices per acre:

				RANGE OF PRICES.		
Counties.	Whole No. of Acres.	No. of Acres Sold.	ACRES UNSOLD.	FROM	То	
Osage	894.34	520. 28	374.06	\$4.00	\$8.00	
Wabaunsee	13,127.94	2,442.66	10,685.28	2.50	8.00	
Lvon	426.86	270.99	155.87		6.50	
Greenwood	640.00		640.00		3.75	
Morris	32,549.81	4,121.88	28,427.93	2.25	7.75	
Chase		11,867.55	119,463.87	2.25	10.00	
Marion	211,130.80	121,109.21	90,021.59	3.50	9.00	
Butler	52,258.95	16,802.98	35,455,97	3 75	9.00	
Harvey	169,091.46	113,291.44	55,800.02	2.75	11.00	
Sedgwick	82,880.74	22,872.75	60,007.99	3.75	12.00	
McPherson	97,569.18	48,352.44	49,216.74	2.75	8.00	
Reno	314,024.83	58,868.29	255,156.54	1.75	10.00	
Rice	165,009.91	28,097.51	136,912.40	2.75	9.00	
Barton	187,391.82	44,899.05	142,492.77	1.75	10.00	
Rush	61,400.00	1 640.00	59,760.00	4.50	10.00	
Pawnee	220,558.88	18,890.27	201,668.61	4.50	10.00	
Edwards	135,000.00	2,344.06	132,655.94	4.50	9.00	
Stafford	90,000.00		90,000.00	1.75	8.00	
Kiowa	46,000.00		46,000.00	1.75	8.00	
Hodgeman	120,000.00		120,000.00			
Ford	115,907.44	640.00	115,267.44			
Unorganized	752,805.62	8,548.70	744,256.92			
Total	3,000,000.00	505,580.06	2,494,419.94			

TOTAL SALES AND CASH RECEIVED.

	13/3
Cash received on sales \$ 664,016.95 Cash received on deferred payments \$ 303,509,00	

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STATE BOARD OF AGRICULTURE.

With the first of January, 1873, we commenced keeping a record of the locality from whence our purchasers came, and we give below, a table showing the number from each locality, the total number of acres purchased, and the quantity to each purchaser:

From	No of Purchasers.	Acres.	AVERAGE No. ACRES.	From	No. of Purchasers.	Acres.	Average No. Acres
Illinois	752	129,389.37	172	Texas	5	509.00	102.00
Foreign countries, direct	533	78,752.54	148	Mississippi	5	1,276.25	255.00
Kansas	348	48,535.42	139	West Virginia	4	640.00	160.00
Iowa	165	24,475.10	148	New Jersey	3	399.50	133.00
Ohio	100	17,213.90	172	Rhode Island	3	360.00	120 00
Indiana	98	15,653.10	159	Delaware	2 2	160 00	80.00
Michigan	50	6,716.30	135	Vermont	2	720.00	360.00
Pennsylvania Wisconsin	38	5,427.26	143	Louisiana	2	160.00	80.00
Wisconsin	37	4,913.90	133	Maine	1	160.00	160.00
Missouri	37	5,129.70	138	Virginia	1	160.00	160.00
Massachusetts	34	8,343.81	245	Oregon	1	160.00	160.00
New York	33	5,318.52	161	Nevada	1	80 00	80.00
Kentucky	26	6,198.37	238	Georgia	1	22.20	22 20
Tennessee	17	4,205.90	247	Connecticut	1	160.00	160.00
Nebraska	8	1,050.64	131	North Carolina	1	160.00	160.00
Canada	8	1,612.53	201	Maryland	1	160.00	160.00
Minnesota	7	799.72	113	California	1	160.00	160.00

I append a brief statement of our

TERMS OF SALE.

No. 1. Eleven years' credit, with seven per cent. interest. On the date of purchase, one-tenth of the principal is paid, with seven per cent. interest on the balance. The first and second years, only the interest at seven per cent. is paid each year; the third year, and each year thereafter, one-tenth of the principal, with seven per cent. interest on the balance, is paid annually, until the whole is paid.

No. 2 is also on eleven years' credit, with seven per cent. interest, only no part of the principal becomes due for four years. During the first four years only the interest is required, and in the last eight years, one-eighth of the principal, with seven per cent. interest on the balance, is paid annually until the whole is paid.

No. 3 is in three payments. In consideration of the purchaser paying one-third of the principal down, with interest on the balance at ten per cent., and the remainder in one and two years, with ten per cent. interest, we make a discount of twenty per cent. from the appraised value.

No. 4 is a cash sale, in which we make a discount of twenty per cent. from the appraised price, and give warranty deed.

Hutchinson, Kansas, October 26th, 1875.

Col. A. S. Johnson, Topeka, Kansas:

Dear Sir: In reply to your request for a statistical report of our success in tree planting along the line of the Atchison, Topeka & Santa Fe Railroad, I have to say, that we have planted a variety of trees and seeds at four different stations along the line of the said road.

The first experimental station is at Hutchinson, 180 miles west of the eastern line of the State, and 1,500 feet above the sea level. Soil, a light, sandy loam.

Trees planted in rows six feet apart and two feet apart in the row, measured in October, 1875, as follows:



667	т.	AL REPOR	RTH ANNU	Fou	
CARS.	F THREE YE	B. GROWTH O	SPRING OF 187	PLANTED IN S	TREES F
DIATETER IN INCHES.	AVERAGE HEIGHT.	EXTREMES OF HEIGHT.	Proportion Living.	AGE AT TIME OF PLANTING.	NAME OF TREE.
1 to 2 inches. 1 to 2 1 to 3 2 to 3 2 to 4 1 to 2 2 to 3 1 to 2 1 to 3	7 feet. 7 " 6 " 9 " 11 " 7 " 17 " 17 " 8 " 8 " 9 " 6 " 2½ "	6 to 9 feet. 6 to 8 " 5 to 7 " 8 to 10 " 10 to 12 " 6 to 8 " 16 to 8 " 7 to 9 " 7 to 9 " 7 to 9 " 5 to 7 " 2 to 3 " 4 to 6 "	50 per cent. 6) "" 95 " 100 " 100 " 90 " 20 " 25 " "	1 " 1 " 1 " 1 " 1 " Cutings, Seed, "" " " " " " " " " " " " " " " " " " "	Silver Maple Box Elder Honey Locust Catalpa Ailantus American Elm Silver Poplar Cottonwood Peach Box Elder Catalpa Ailantus Black Walnut Kentucky Coffee Ash
	OF TWO YEA	4. GROWTH	SPRING OF 18	PLANTED IN	TREES
DIAMETER IN INCHES.	AVERAGE HEIGHT.	EXTREMES OF HEIGHT.	Proportion Living.	AGE AT TIME OF PLANTING.	Name of Tree.
1 to 2 in. 1 to 2 '' 2 to 3 '' 1 to 2 '' 1/2 to 1 '' 1/2 to 1 '' 1/2 to 1 ''	8 feet. 9 '' 11 '' 7 '' 6 '' 7 '' 2½ '' 8 inches.	7 to 9 feet. 8 to 10 " 10 to 13 " 6 to 8 " 5 to 7 " 6 to 8 " 2 to 3 " 6 to 10 inches.	100 per cent. 100 " 60 " 20 "	1 year old, 1 "Cuttings, Seed, ""	Box Elder
AR.	OF ONE YEA	375. GROWTH		0 20	TREES
	AVERAGE HEIGHT.	EXTREMES OF HEIGHT.	Proportion Living.	AGE AT TIME OF PLANTING.	NAME OF TREE.
	7 feet. 3 " 7 " 30 inches. 15 " 25 " 20 " 15 " 46 " 15 " 30 "	6 to 9 feet. 2 to 4 " 6 to 9 " 24 to 36 inches. 12 to 20 " 20 to 30 " 12 to 18 " 12 to 20 " 12 to 20 " 20 to 36 "	100 per cent. 100 " 60 "	1 year old, 1 "", Cuttings, Seed, "",	Cottonwood Ailantus Cottonwood Peach Ash Box Elder Honey l.ocust Black Walnut Kentucky Coffee Hackberry Silver Maple Catalpa
clay subsoil.	am, with stiff ieties plante	ack, sandy los	et. Soil a bla success of the	ation 1,760 fe ble shows the	The second export the State; elevather following tab
DIAMETER IN INCHES.	Average Height.	EXTREMES OF HEIGHT.	Proportion Living.	AGE AT TIME OF PLANTING.	Names of Trees.
1½ to 2½ in. 1 to 2 " 1 to 2½ " 1 to 2½ " 1 to 2 "	7½ feet. 7 " 5 " 7 " 12 " 5 " 8 " 9 " 13½ " 4 "	7 to 8 feet. 6 to 8 " 4 to 6 " 5 to 7 " 11 to 13 " 4 to 6 " 7 to 9 " 8 to 10 " 5 to 6 " 3 to 4 " 3 to 5 "	80 per cent. 100 ". 90 ". 90 ". 90 ". 50 ".	1 year old, 1 " 1 " 1 " Cuttings, Seeds, " "	Silver Maple Honey Locust Catalpa Box Elder Amer can Elm Cottonwood Catalpa Box Elder Allantus Peach Ash Black Walnut



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TREE	S PLANTED I	N SPRING OF 1	874. GROWTH	OF TWO YE	ARS.
Names of Trees.	AGE AT TIME OF PLANTING		EXTREMES OF HEIGHT.	AVERAGE HEIGHT.	DIAMETER IN INCHES.
Ailantus Ash Cottonwood Grey Willow White Willow Ailantus Osage Orange Black Walnut	Cuttings, Seed,	90 per cent. 80 60 20 2)	5 to 6 feet. 3 to 5 " 7 to 9 " 5 to 7 " 4 to 5 " 3 to 5 " 2 to 3 "	5½ feet. 4 " 8 " 6 " 4½ " 6 " 4½ " 2½ "	1 to 2 inches. ½ to 1 " 1 to 2½ " 1 to 2½ " 1 to 2 " 1 to 2 " 1 to 2 " ½ to 1 " ½ to 1 "
TREE	S PLANTED I	N SPRING OF 1	1875. GROWTH	OF ONE YE	AR.
NAMES OF TREES,	AGE AT TIME OF PLANTING.	PROPORTION LIVING.	EXTREMES OF HEIGHT.	AVERAGE HEIGHT.	
Box Elder Ailantus Catalpa. Honey Locust American Elm Peach (seedling) Ash Black Walnut Cottonwood	1 " 1 " 1 " 1 " 1 " 1 " 1 " 1 " 1 " 1 "	90 per cent. 100 " 100 " 90 " 90 " 100 " 100 "	10 to 30 inches. 3 to 5 feet. 18 to 36 inches. 15 to 30 " 10 to 20 " 18 to 36 " 6 to 18 " 6 to 12 " 4 to 6 "	20 inches. 4 feet. 25 inches. 20 " 15 " 24 " 10 " 5 feet.	
Names of Trees.	AGE AT TIME	Proportion Living.	74. GROWTH C	AVERAGE	RS.
	OF PLANTING.	LILYLING.	HEIGHT.		DIAMETER IN
Box Elder	1 year old, 1 Cuttings, Seed,	100 per cent. 100 " 20 " 10 "	4 to 6 feet, 5 to 6 " 7 to 9 " 6 to 8 " 5 to 6 " 2 to 4 " 4 to 5 "	HEIGHT. 5 feet. 5½ " 8 " 7 " 5½ " 3 " 4½ "	1 to 2 inches. 1 to 2 '' 1 to 2 '' 1 to 1½ '' 1 to 1½ '' 1 to 1½ '' 1 to 1½ ''
Ailan us Cottonwood Grey Willow Box Elder Black Walnut Ailantus	1 year old, 1 Cuttings, Seed,	100 per cent. 100 " 20 " 10 "	4 to 6 feet. 5 to 6 " 7 to 9 " 6 to 8 " 5 to 6 " 2 to 4 " 4 to 5 "	5 feet. 5½ " 8 " 7 " 5½ " 4½ "	INCHES. 1 to 2 inches. 1 to 2 " 1 to 2 " 1 to 1½ "
Allanus Cottonwood Grey Willow Box Elder Black Walnut Allantus TREES	1 year old, 1 Cuttings, Seed,	100 per cent. 100 " 20 " 10 "	4 to 6 feet. 5 to 6 " 7 to 9 " 6 to 8 " 5 to 6 " 2 to 4 "	5 feet. 5½ " 8 " 7 " 5½ " 4½ "	INCHES. 1 to 2 inches. 1 to 2 " 1 to 2 " 1 to 1½ "
Allanus Cottonwood Grey Willow Box Elder Black Walnut Allantus TREES	1 year old, 1 ''' Cuttings, Seed, "' S PLANTED IN AGE AT TIME OF PLANTING. 1 year old, 1 ''' 1 ''' 1 '''	100 per cent. 100 " 20 " 10 " 10 " SPRING OF 18 PROPORTION LIVING. 100 per cent. 90 " 75 " 100 " 160 "	4 to 6 feet. 5 to 6 " 7 to 9 " 6 to 8 " 2 to 4 " 4 to 5 "	HEIGHT. 5 feet. 5½ ". 8 ". 7 ". 5½ ". 4½ ". DF ONE YEA	INCHES. 1 to 2 inches. 1 to 2 " 1 to 2 " 1 to 1½ "



Transactions of the Kansas State Board of Agriculture, 1875

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TREES PLANTED IN SPRING OF 1873. GROWTH OF THREE YEARS.

Names of Trees.	AGE AT TIME OF PLANTING.	PROPORTION LIVING.	EXTREMES OF HEIGHT.	AVERAGE Height.	DIAMETER IN INCHES.
Silver Maple	1 year old, 1 " 1 " Seed,	90 per cent. 80 " 100 " 100 "	4 to 5 feet. 4 to 6 " 4 to 5 " 4 to 6 " 2 to 3 " 4 to 5 "	4½ feet. 5 " 4½ " 5 " 2½ " 4½ "	1 to 2 in. 1 to 2 '' 1 to 1 1/2 '' 1 to 2 '' 1 to 2 '' 1 to 2 ''

TREES PLANTED IN SPRING OF 1874. GROWTH OF TWO YEARS.

Names of Trees.	AGE AT TIME OF PLANTING.	Proportion Living.	EXTREMES OF HEIGHT.	AVERAGE HEIGHT.	DIAMETER IN INCHES.
Box Elder Ailantus Ash Black Walnut Box Elder	1 year old, 1 " 1 " Seed,	90 per cent. 100 '' 50 ''	4 to 6 feet. 2 to 4 " 1 to 2 " 1 to 2 " 3 to 5 "	5 feet. 3 '' 1½ '' 1½ '' 4 ''	1 to 2 inches. 1 to 2 '' ½ to 1 '' ½ to 1 '' ½ to 1 ''

TREES PLANTED IN SPRING OF 1875. GROWTH OF ONE YEAR.

Names of Trees.	AGE AT TIME OF PLANTING.	Proportion Living.	EXTREMES OF HEIGHT.	AVERAGE HEIGHT.	
Ailantus	1 year old, 1 1 1 1 1 1 1 Seed,	100 per cent. 90 '' 75 '' 80 '' 80 '' 75 ''	12 to 30 inches. 6 to 15 " 3 to 12 " 10 to 30 " 12 to 36 " 3 to 12 " 6 to 12 "	24 inches. 12 '' 9 '' 20 '' 24 '' 6 '' 9 ''	

Considering that all our planting the first year was on newly-broken sod, and having the devastating army of grasshoppers the second year (1874) to contend with, I think the success of our work will compare favorably with forest-tree planting in other parts of the country.

Yours respectfully,

C. H. Longstreth,

Forester for A., T. & S. F. R. R. Co.

LAND DEPARTMENT OF THE KANSAS PACIFIC RAILWAY.

By S. J. GILMORE, Land Commissioner.

Lands belonging to Kansas Pacific Railway Company, and unsold October 1st, 1875.

COUNTIES.	Acres.	Counties.	Acres.
Wyandotte Johnson Douglas Franklin Jackson Shawnee Qsage Wabaunsee Pottawatomie Morris Davis Riley Marion Dickinson Clay Ottawa Saline	120.00 378.09 40.00 411.78 707.13 200.00 80.00 9.731.22 6,406.51 41,784.38 27,721.59 314.12 27,237.11 1,791.09 18,811.74 44,659.22 22,703.13	Rice Osborne Russell Barton Rooks Ellis Russh Graham Trego Ness Sheridan Gove Wallace Thomas Sherman Wichita Greeley	51,228,39 23,007,72 232,060,74 92,831,24 38,516,84 218,069,55 125,520,99 202,218,66 8,247,64 176,105,03 215,441,28 608,903,05 522,614,73 66,867,28 16,010,20 60,081,34
McPherson Lincoln	80,685.56 153,162.90	Total in Kansas	2,919,144.38

Maximum price, \$6 per acre: minimum, \$2; average, \$3.



Transactions of the Kansas State Board of Agriculture, 1875

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STATE BOARD OF AGRICULTURE.

LAND DEPARTMENT, MISSOURI, KANSAS & TEXAS RAILWAY.

By Isaac T. Goodnow, Land Commissioner.

Agreeable to your request of the 28th ult., I hand you the following statement of lands unsold in the different counties within the grant of the M., K. & T. R. R., Nov. 1, 1875.

Counties.	Acres.	Counties,	Acres.
Morris Wood⊲on Wabannsee Greenwood Coffry Anderson Bu'ler Clay	38,045.15 49,488.97 64,186.60 70,937.25 22,224.68 8,134.67 5,615.97 1,760.00	Lyon Davis Chase Dickinson Riley Allen Cloud Marion	45,129.97 36,926.55 44,339.92 33,123.20 16,382.00 6,181.47 3,438.63

The prices of above lands are usually from \$2 to \$6 per acre, and sold on ten years' time, at seven per cent. interest; or 33½ per cent. discount for all cash.

LAND DEPARTMENT OF THE MISSOURI RIVER, FORT SCOTT AND GULF RAILROAD.

By JNO. A. CLARK, Land Commissioner.

The Missouri River, Fort Scott & Gulf Railroad Company has, in round numbers, 375,000 acres of land in Kansas remaining unsold, viz.:

Bourbon Co	ounty	 	
Crawford	4.0	 45,000	acres.
Cherokee	44	 170.000	
Allen	44		44
Linn	44	 2,000	6.6
MIIII		 3 000	

The prices of the agricultural lands are from \$2.00 to \$8.00 per acre—averaging about \$5.50; and of coal land from \$8.00 to \$25.00—with some tracts higher—averaging about \$15.00. The lands are sold on credit, running through ten years; one-fifth, or 20 per cent., reduction is made for cash. The title is perfect.

CENTRAL BRANCH, UNION PACIFIC RAILROAD LANDS.

This company has unsold lands, located as follows, to wit.:

Atchison		
Atchison Brown	9,300.43	acres.
Brown Jackson	49,594.94	1 "
Riley Pottawatomie aud Riley		
- ottomatomie and itiley	3 456 70	44

Owing to the fact that the above list of lands was not received until after the maps of Atchison and Brown counties were engraved, the lands located in those counties do not appear on the maps.



Transactions of the Kansas State Board of Agriculture, 1875

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PUBLIC LANDS.

NORTH-WESTERN LAND DISTRICT.

Office at Kirwin, Phillips County, Kansas.

A. A. Thomas, Register.

J. M. Hodge, Receiver.

BUSINESS TRANSACTED FROM JANUARY 1st TO SEPTEMBER 30th, 1875.

No. of Entries.	BY WHAT AUTHORITY.	No. of Acres.	CASH RECEIPTS.
258 123 108 52 650 69 93	Home-tead Act Final Proof of Homestead Timb-r Culture Act Cash Sales Pre-emption Filings Soldier Home-tead Filings Military Bounty Land Warrants	104,000.00	\$3,576 85 486.20 1.455.00 2,827.08 1,300.00 138.00 297.00
	Total acres taken under different acts	204,805.13	\$10,080.13

On the first day of January, 1875, there were 5,334,183.29 acres vacant land in this district. During the first three-quarters of the year 1875, ending September 30, 1875, there were taken under the different acts of Congress 204,805.13 acres, leaving a balance of vacant land in the district of 5,129,378.16 acres. In the counties of Sherman, Adams, Rawlins, Thomas and Sheridan, "all splendid grazing lands," not an acre has been taken. There are a few settlers in Decatur and Graham counties.

REPUBLICAN LAND DISTRICT.

Office at Concordia, Kansas.

B. H. McEckron, Register.

E. J. Jenkins, Receiver.

BUSINESS TRANSACTED FROM JANUARY 1st, 1875, TO SEPTEMBER 30th, 1875.

			How Entered.	Acres.
Lands	entere	d under	Homestead Act. Timber Culture Act. Final Homestead Act. Pre-emption Act of 1841, excesses on H. E., etc.	
Land 1	ocated	with A.	C. Scrip and M. B. Land Warrants	70,000.00 6,360.00
	Total			266,377.46



	672 STATE BOARD OF AGRICULT	URE.	-
	SALINA LAND OFFICE.		
	T. L. Bond, Register. D. R. W.	AGSTAFF, Rec	eiver
	Statement of business of the U. S. Land Office, Salina Sept. 30, 1875.	a, Kansas, fro	m Jan. 1, to
	How Entered.	Acres.	FEES.
	Entered Homestead Acts "Final Homestead Acts "Timber Culture Cash Sales Filed on Pre-emption Act, 1841 "Act June 8, 1872 Located with M. B. L. Warrants "Col. Scrip Certified to R. R. Companies Coal-filing Act, March 3, 1873.	42,296,00 34,072,04 24,534,30 1,228,79 45,000,00 10,080,00 1,020,00 160,00 128,108 92 480,00	\$ 5,449.00 1,555.77 2,660.00 4,121.92 758.00 126.00 4.00 4.00 1,601.34 6.00
	Total	286,980.05	\$16,328.05
	WICHITA LAND DISTRICT.		
	H I Time Deli	Dunman	
IP.	Business transacted from January 1st to September 30th,	. Redfield,	deceiver.
	Number acres under Military Bounty Warrants		30.484.88 19.378.62
	Number acres sold for cash, under Sections 2,283, 2,284 and 2,285, Revise Number acres sold for cash, under Sections 2,259 and 2,301, Revised Stat Number acres homesteaded, under Sections 2,289 and 2,304, Revised Stat Number acres final homesteads, under Section 2,289 and 2,304, Revised Stat Number acres under Timber Culture Act, of March 13, 1874 Number acres under Military Bounty Warrants Aggregate Number acres filed for, under Sections 2,259, 2,283 and 2,304, Revised Stat Total Cash Receipts OSAGE LAND DISTRICT		172,748.09
	Aggregate Number acres filed for, under Sections 2,259, 2,283 and 2,304, Revised Sta Total Cash Receipts OSAGE LAND DISTRICT. Office at Independence, Kansas; W. W. Martin, Regist ceiver.	er; H. M. W	172,748.09 104,000.00 \$126,101.57
100	Aggregate Number acres filed for, under Sections 2,259, 2,283 and 2,304, Revised Sta Total Cash Receipts OSAGE LAND DISTRICT. Office at Independence, Kansas; W. W. Martin, Regist	er; H. M. W.	172,748.09 104,000.00 \$126,101.57
	Aggregate Number acres filed for, under Sections 2,259, 2,283 and 2,304, Revised Sta Total Cash Receipts OSAGE LAND DISTRICT. Office at Independence, Kansas; W. W. Martin, Regist ceiver. The following is a statement of the business done at thi January, 1875, to the 30th of September, 1875, both inclusive LANDS ENTERED FOR CASH.	er; H. M. W. s office from	172,748.09 104,000.00 \$126,101.57
	Aggregate Number acres filed for, under Sections 2,259, 2,283 and 2,304, Revised Sta Total Cash Receipts OSAGE LAND DISTRICT. Office at Independence, Kansas; W. W. MARTIN, Regist ceiver. The following is a statement of the business done at the January, 1875, to the 30th of September, 1875, both inclusive LANDS ENTERED FOR CASH, Osage Trust and Diminished Reserve, acts July 15, 1870, May 9, 1872, and	er; H. M. W. s office from e:	
	Aggregate. Number acres filed for, under Sections 2,259, 2,283 and 2,304, Revised Sta Total Cash Receipts OSAGE LAND DISTRICT. Office at Independence, Kansas; W. W. MARTIN, Regist ceiver. The following is a statement of the business done at thi January, 1875, to the 30th of September, 1875, both inclusiv LANDS ENTERED FOR CASH, Osage Trust and Diminished Reserve, acts July 15, 1870, May 9, 1872, and 39,669,52 acres, at \$1,25	er; H. M. W. s office from ee:	172,748.09 104,000.00 126,101.57 TERS, Rethe 1st of
	Aggregate Number acres filed for, under Sections 2,259, 2,283 and 2,304, Revised Sta Total Cash Receipts OSAGE LAND DISTRICT. Office at Independence, Kansas; W. W. Martin, Regist ceiver. The following is a statement of the business done at thi January, 1875, to the 30th of September, 1875, both inclusiv LANDS ENTERED FOR CASH, Osage Trust and Diminished Reserve, acts July 15, 1870, May 9, 1872, and 39,669,52 acres, at \$1,25. Interest Osage Ceded Lands, under joint resolution of Congress, approved April 120 acres, at \$1,25. Cherolee Strip acts of May 11, 1873 and the strip acts of May 11,	er; H. M. W. s office from e:	
	Aggregate. Number acres filed for, under Sections 2,259, 2,283 and 2,304, Revised Sta Total Cash Receipts. OSAGE LAND DISTRICT. Office at Independence, Kansas; W. W. Martin, Regist ceiver. The following is a statement of the business done at thi January, 1875, to the 30th of September, 1875, both inclusive Lands Entered For Cash, Osage Trust and Diminished Reserve, acts July 15, 1870, May 9, 1872, and 19,669,52 acres, at \$1,25. Interest. Osage Ceded Lands, under joint resolution of Congress, approved April 16, 220 acres, at \$1,25. Cherolee Strip, acts of May 11, 1872 and April 29, 1874. Public Lands sold for cash ext Section.	er; H. M. W. s office from e: June 23, 1874.	172,748.09 104,006.00\$126,101.57 TERS, Rethe 1st of \$49,586.90\$2,050.61\$150.00
	Aggregate. Number acres filed for, under Sections 2,259, 2,283 and 2,304, Revised Sta Total Cash Receipts OSAGE LAND DISTRICT. Office at Independence, Kansas; W. W. Martin, Regist ceiver. The following is a statement of the business done at thi January, 1875, to the 30th of September, 1875, both inclusiv LANDS ENTERED FOR CASH. Osage Trust and Diminished Reserve, acts July 15, 1870, May 9, 1872, and Interest. Osage Ceded Lands, under joint resolution of Congress, approved April 10 120 acres, at \$1.25. Cherokee Strip, acts of May 11, 1872 and April 29, 1874. 1,233.29 acres, at \$2.25. Public Lands sold for cash, act September 4, 1841. Lands entered Homesteed Act. May 20, 1872.	er; H. M. W. s office from ee:	172,748.09 104,006.00 18126,101.57 TERS, Rethe 1st of \$49,586.90 \$2,050.61 \$150.00 \$2,466.44 \$209.90
	Aggregate. Number acres filed for, under Sections 2,259, 2,283 and 2,304, Revised Sta Total Cash Receipts. OSAGE LAND DISTRICT. Office at Independence, Kansas; W. W. Martin, Regist ceiver. The following is a statement of the business done at thi January, 1875, to the 30th of September, 1875, both inclusiv LANDS ENTERED FOR CASH, Osage Trust and Diminished Reserve, acts July 15, 1870, May 9, 1872, and 39,669,52 acres, at \$1,25 Interest. Osage Ceded Lands, under joint resolution of Congress, approved April 10, 200 acres, at \$1,25 Cherolee Strip, acts of May 11, 1872 and April 29, 1874. 1,233,22 acres, at \$2 Public Lands sold for cash, act September 4, 1841. Lands entered, Homestead Act, May 20, 1862, and amendments. 2,946,13 acres. Fees. Commissions Lands entered under Firel Homestead Act, May 20, 1862, and amendments.	er; H. M. W. s office from e:	172,748.09 104,00e.00\$126,101.57 TERS, Rethe 1st of \$49,586.90\$2,050.61\$150.00\$2,466.44\$209.90\$295.00\$115.37
	Aggregate. Number acres filed for, under Sections 2,259, 2,283 and 2,304, Revised Sta Total Cash Receipts OSAGE LAND DISTRICT. Office at Independence, Kansas; W. W. Martin, Regist ceiver. The following is a statement of the business done at thi January, 1875, to the 30th of September, 1875, both inclusiv LANDS ENTERED FOR CASH. Osage Trust and Diminished Reserve, acts July 15, 1870, May 9, 1872, and 39,669.52 acres, at \$1,25 Interest. Osage Ceded Lands, under joint resolution of Congress, approved April 10 120 acres, at \$1.25 Cherolee Strip, acts of May 11, 1872 and April 29, 1874. 1,233.22 acres, at \$2 Public Lands sold for cash, act September 4, 1841. Lands entered, Homestead Act, May 20, 1862, and amendments. 2,946.13 acres. Fees. Commissions Lands entered under Final Homestead Act, May 20, 1862, and amendments. 13,138.06 acres. Commissions Lands entered under Final Homestead Act, May 20, 1862, and amendments. Timber Culture Act, May 20, 1872.	er; H. M. W. s office from e: June 23, 1874.	172,748.09 172,748.09 104,006.09 \$126,101.57 TERS, Rethe 1st of \$49,586.90 \$2,050.61 \$150.00 \$2,466.44 \$209.90 \$295.00 \$115.37
	Aggregate. Number acres filed for, under Sections 2,259, 2,283 and 2,304, Revised Sta Total Cash Receipts. OSAGE LAND DISTRICT. Office at Independence, Kansas; W. W. Martin, Regist ceiver. The following is a statement of the business done at thi January, 1875, to the 30th of September, 1875, both inclusive Lands entered and Diminished Reserve, acts July 15, 1870, May 9, 1872, and 39,669,52 acres, at \$1,25 Interest. Osage Ceded Lands, under joint resolution of Congress, approved April 16, 1203,22 acres, at \$1,25 Cherolee Strip, acts of May 11, 1872 and April 29, 1874. 1, 1,233,22 acres, at \$2 Public Lands sold for cash, act September 4, 1841. 164 acres. Lands entered, Homestead Act, May 20, 1862, and amendments. 2,946,13 acres. Fees Commissions Lands entered under Final Homestead Act, May 20, 1862, and amendments. 13,138.06 acres. Commissions Timber Culture Act, March 3, 1873. 240 acres. Fees Commissions	er; H. M. W. s office from re: June 23, 1874.	172,748.09 104,006.00 104,006.00 126,101.57 TERS, Rethe 1st of \$49,586.90 \$2,050.61 \$150.00 \$2,466.44 \$299.90 \$115.37
	Aggregate. Number acres filed for, under Sections 2,259, 2,283 and 2,304, Revised Statotal Cash Receipts. OSAGE LAND DISTRICT. Office at Independence, Kansas; W. W. Martin, Regist ceiver. The following is a statement of the business done at the January, 1875, to the 30th of September, 1875, both inclusive Lands entered. Lands entered for Cash, Osage Trust and Diminished Reserve, acts July 15, 1870, May 9, 1872, and 189,669,52 acres, at \$1,25. Osage Ceded Lands, under joint resolution of Congress, approved April 10, 120 acres, at \$1,25. Cherolee Strip, acts of May 11, 1872 and April 29, 1874. 1,233,22 acres, at \$2 Public Lands sold for cash, act September 4, 1841. Lands entered, Homestead Act, May 20, 1862, and amendments. 2,946,13 acres. Fees. Commissions Lands entered under Final Homestead Act, May 20, 1862, and amendments 13,138,06 acres. Commissions Lands entered under Final Homestead Act, May 20, 1862, and amendments 13,138,06 acres. Commissions Lands entered under Final Homestead Act, May 20, 1862, and amendments 13,138,06 acres. Commissions New York Indian Lands, acts February 19, 1873, and June 23, 1874.	er; H. M. W. s office from re: June 23, 1874.	172,748.09 104,00e.00 \$126,101.57 TERS, Rethe 1st of \$49,586.90 \$2,050.61 \$150.00 \$2466.44 \$209.90 \$153.7 \$554.42 \$30.00 \$12.00
	Aggregate. Number acres filed for, under Sections 2,259, 2,283 and 2,304, Revised Sta Total Cash Receipts. OSAGE LAND DISTRICT. Office at Independence, Kansas; W. W. Martin, Regist ceiver. The following is a statement of the business done at thi January, 1875, to the 30th of September, 1875, both inclusive Lands entered and Diminished Reserve, acts July 15, 1870, May 9, 1872, and 39,669,52 acres, at \$1,25 Interest. Osage Ceded Lands, under joint resolution of Congress, approved April 16, 1203,22 acres, at \$1,25 Cherolee Strip, acts of May 11, 1872 and April 29, 1874. 1, 1,233,22 acres, at \$2 Public Lands sold for cash, act September 4, 1841. 164 acres. Lands entered, Homestead Act, May 20, 1862, and amendments. 2,946,13 acres. Fees Commissions Lands entered under Final Homestead Act, May 20, 1862, and amendments. 13,138.06 acres. Commissions Timber Culture Act, March 3, 1873. 240 acres. Fees Commissions	er; H. M. W. s office from e: June 23, 1874.	172,748.09 104,000.00 104,000.00 1126,101.57 TERS, Rethe 1st of \$49,586.90 \$2,050.61 \$150.00 \$2,466.44 \$299.90 \$115.37 \$554.42 \$30.00 \$12.00 \$2,719.40 \$31.00



Transactions of the Kansas State Board of Agriculture, 1875

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LARNED LAND OFFICE.

C. A. Morris, Register.

ELI GILBERT, Receiver

Amount of business transacted at the United States Land Office, at Larned Kansas, from February 15, to September 30, 1875, inclusive.

	Acres.	FEES.	Comms.	TOTAL.
For fractional quarter ending March 31, 1875: 29 timber culture entries 49 homestead entries 3 final homestead 107 declaratory statements, estimate Osage lands sold for cash	4,121.34 6,085.03 468.60 17,000.00 300.65	485.00 214.00	THE RESERVE OF THE PARTY OF THE	\$ 406.00 757.58 23 43 214.00 381 11
For quarter ending June 30, 1875: 49 timber entries. 101 homestead entries 23 final homestead 151 declaratory statements, estimate Public lands sold for cash	7,246.93 14,868.99 3,436.78 24,000.00 1,128.33	1,000 00	196.00 532.34 167.84	686.00 1,532.34 167.84 302.00 2,783.22
For quarter ending Sept. 31, 1875: 74 timber entries. 88 homestead entries 24 final homestead entries. 211 declaratory statements, estimate. Public lands sold for cash Osage land sold for cash	10,752.53 11,565.91 3,807.15 33,000.00 827.35 301.72	875.00	296.00 496.57 183.85	1,036.00 1,371.57 183.85 422.00 2,055.08

STATE AGRICULTURAL COLLEGE LANDS.

L. R. Elliott, Agent.

List of lands in Washington, Marshall, Clay, Riley and Dickinson counties, belonging to the Kansas State Agricultural College:

Washington		Riley	5,600	acres.
Marshall	4,160 "	Dickinson	13,880	

These lands have just been restored to market, after having been withdrawn for several years. They were selected in 1863, from the great mass of unoccupied Kansas lands, and the Commissioners who made the selection, reported that "every quarter section would make a good farm." While they have been out of market, their value has been much increased by the construction of railroads, the opening of farms on adjacent lands, and the building of churches and school houses.

TERMS OF PURCHASE.

One-eighth cash, at time of purchase; balance in seven equal annual installments, with annual interest at 10 per cent.

STATE UNIVERSITY LANDS.

Under an act of the Legislature of 1875, a commission was appointed to examine and appraise the lands belonging to the State University. This commission consisted of T. D. Thatcher, Jno. Miller and O. S. Woodward. The commission met in the city of Garnett, and proceeded to examine and appraise the lands. The appraisement ranges from \$3 to \$8 per acre. The lands are to be sold at their appraised value, on the following terms: One-tenth of the purchase money to be paid down, and the remaining nine-tenths in nine equal annual installments, with interest, payable annually, at the rate of ten per cent. per annum. The following is a list of the lands by counties:

Allen	320	acres.	
Anderson Coffey		44	
Lyon	3,520		
Wabaunsee	3,200	"	
Woodson	16,160		
Total	45,920	acres	



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HOW TO OBTAIN GOVERNMENT LANDS.

The great number of inquiries which are made for information concerning the public lands of the State, has made the publication of the following very full instructions, rulings and laws relating to said lands, necessary:

CIRCULAR.

DEPARTMENT OF THE INTERIOR, GENERAL LAND OFFICE, Washington, D. C., June 17, 1875.

The following is communicated in reference to the manner of acquiring title to the public lands under different laws of Congress:

There are two classes of public lands, the one class at \$1.25 per acre, which is There are two classes of public lands, the one class at \$1.20 per acre, which is designated as minimum, and the other at \$2.50 per acre, or double minimum.

Title may be acquired by purchase at public sale, or by ordinary "private entry," and in virtue of the pre-emption, homestead, and timber-culture laws.

BY PURCHASE AT PUBLIC SALE.

1. This may be done where lands are "offered" at public auction to the highest bidder, either pursuant to proclamation by the President or public notice given, in accordance with directions from the General Land Office.

BY "PRIVATE ENTRY" OR LOCATION.

2. The lands liable to disposal in this manner are those which were offered at public sale, but were not then sold, and which have not since been reserved or otherwise withdrawn from market. In this class of offered and unreserved public lands, the following steps may be taken to acquire title:

CASH PURCHASES.

3. The applicant will present a written application to the register for the district in which the land desired is situated, describing the tract he wishes to purchase, giving its area. Thereupon the register, if the tract is vacant, will so certify to the receiver, stating the price, and the applicant must then pay the amount of the purchase money.

The receiver will then issue his receipt for the money paid, in duplicate, giving to the purchaser a duplicate receipt, and at the close of the month the register and receiver will make returns of the same to the General Land Office, from which the same to the dependence of t when the proceedings are found regular, a patent or complete title will be issued; and on surrender of the duplicate receipt, such patent will be delivered at the option of the patentee, either by the commissioner at Washington, or by the register at the option of district land office.

LOCATIONS WITH WARRANTS.

4. Application must be made as in cash cases, but must be accompanied by a warrant duly assigned as the consideration for the land; yet where the tract is \$2.50 per acre, the party, in addition to the surrendered warrant, must pay in cash \$1.25 per acre, as the warrant is in satisfaction of only so many acres, at \$1.25 per acre, or furnish a warrant of such denomination as will, at the legal value of \$1.25 per acre, cover the rated price of the land. For example: a tract of forty acres of land, held at \$2.50 per acre, can be paid for with a warrant calling for forty acres and the payment of \$50 in cash, or by surrendering an eighty-acre warrant for the same—the forty acres to be in full satisfaction for the said location. Or a tract of eighty acres, rated at \$2.50 per acre, can be paid for by the surrender of tract of eighty acres, rated at \$2.50 per acre, can be paid for by the surrender of two eighty-acre warrants. If there is a small excess in the area of the tract over the quantity called for on the face of the warrant in any case, such excess may be

A duplicate certificate of location will then be furnished the party, to be held until the patent is delivered, as in cases of cash sales.



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The following fees are chargeable by the land officers, and the several amounts must be paid at the time of location:

For a 40-acre warrant, 50 cents each to the register and receiver — total, \$1.00
For a 80-acre warrant, \$1.00
For a 190-acre warrant, \$1.50
For a 190-acre warrant, \$1.00
For a 190-acre warrant, \$1.00
For a 160-acre warrant, \$2.00

"""
4.00

AGRICULTURAL COLLEGE SCRIP.

5. This scrip may be used-

First. In the location of lands at "private entry," but when so used is only applicable to lands not mineral, which may be subject to private entry at \$1.25 per acre, yet is restricted to a technical "quarter section,"—that is, land embraced by the quarter section lines indicated on the official plats of survey; or it may be located on a part of a "quarter-section," where such part is taken as in full for a quarter; but it cannot be applied to different subdivisions to make an area equivalent to a quarter section. The manner of proceeding to acquire title with this class of paper is the same as in cash and warrant cases, the fees to be paid being the same as on warrants. The location of this scrip at private entry is restricted to three sections in each township of land.

Second. In payment of pre-emption claims, in the same manner and under the same rules and regulations as govern the application to pre-emptions of military

same rules and regulations as govern the application to pre-emptions of military land warrants; this, too, without regard to the limitation as to the quantity located in a township or in any one State.

Third. In payment for homesteads commuted under section 2,301 of the Revised.

Statutes of the United States.

PRE-EMPTIONS ADMISSIBLE TO THE EXTENT OF ONE QUARTER SECTION, OR ONE HUNDRED AND SIXTY ACRES.

6. These are admitted under sections 2,257 to 2,288 of the Revised Statutes of the United States, upon "offered" and "unoffered" lands, and upon any of the unsurveyed lands belonging to the United States to which the Indian title is extinguished, although in the case of management lands are defined as tinguished, although in the case of unsurveyed lands no definite proceedings can be had as to the completion of the title until after the surveys shall have been extended and officially returned to the district land office.

The pre-emption privilege is restricted to the heads of families, widows, or single men over the age of twenty-one who are citizens of the United States, or who have declared their intention to become citizens, as required by the naturalization laws. This does not include Indians, except such as have ceased their tribal relations, and been declared citizens by treating or eats of Congress.

tions, and been declared citizens by treaties or acts of Congress.
7. The right of pre-emption, formerly extended by act of Congress.of March 3.
1853, for one quarter section, or 160 acres, at the price of \$2.50 per acre, to the alternate United States or reserved sections along the line of railroads, is continued.

by the Revised Statutes, sections 2,257, 2 259, and 2,279.

8. Section 2,281 thereof protects the rights of settlers on sections along the line of railroads, where settlement existed prior to withdrawal, and in such cases allows the land to be taken by the pre-emptors at \$1.25 per acre, but requires that they shall file the proper notices of their claim, and make proof and payment as in other cases.

9. Where the tract is "offered" land, the party must file with the district land office his declaratory statement, as to the fact of his settlement within thirty days. from the date of said settlement, and within one year from date of settlement must appear before the register and receiver and make proof of his actual resi dence on, and cultivation of, the tract, and secure the same by paying cash or locating thereon military bounty land warrants, or agricultural college scrip, according to law.

according to law.

10. Where the tract has been surveyed and not offered at public sale, the claimant must file his declaratory statement within three months from date of settlement, and make proof and payment within thirty months after the expiration of the three months allowed for filing his declaratory notice, or in other words, within thirty-three months from date of settlement.

11. Where settlements are made on unsurveyed lands, settlers are required, within three months after the date of the receipt at the district land office of the improved plat of the township embracing their claims, to file their declaratory statement with the register of the proper land office, and thereafter to make proof



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and payment for the tract within thirty months from the expiration of said three

When two or more settlers on unsurveyed land are found upon survey to be

When two or more settlers on unsurveyed land are found upon survey to be residing upon, or to have valuable improvements upon, the same smallest legal subdivision, they may make joint entry of such tract, and separate entries of the residue of their claims. This joint entry may be made in pursuance of contract between the parties or without it. (Revised Statutes, sec. 2,274.)

12. Should the settler, in either of the aforesaid cases, die before establishing his claim within the period limited by law, the title may be perfected by the executor, administrator, or one of the heirs, by making the requsite proof of settlement and paying for the land; the entry to be made in the name of "the heirs" of the deceased settler; and the patent will be issued accordingly. The legal representatives of the deceased pre-emptor are entitled to make the entry at any time within the period to which the pre-emptor would be entitled if living.

Section 2,261 of the Revised Statutes prohibits the second filing of a declaratory statement by any pre-emptor qualified at the date of his first filing where said filing has been in all respects legal. Where the first filing, however, is illegal from any cause, he has the right to make a second and legal filing.

LAWS EXTENDING THE HOMESTEAD PRIVILEGE.

LAWS EXTENDING THE HOMESTEAD PRIVILEGE.

13. The laws extending the homestead privilege, embraced in sections 2,289 to 13. The laws extending the homestead privilege, embraced in sections 2,289 to 2,317 of the Revised Statutes, give to every citizen, and to those who have declared their intention to become citizens, the right to a homestead on surveyed lands. This is conceded to the extent of one-quarter section, or 160 acres, or a half quarter section, or eighty acres, the former, in cases where the land desired is embraced in the class of lower priced lands held by law at \$1.25 per acre, when disposed of to cash purchasers; the latter, where it is of the class of higher priced lands, held at \$2.50 per acre, when so disposed of.

14. To obtain homesteads, the party must, in connection with his application, make an affidavit before the register or receiver, that he is over the age of twenty-one, or the head of a family; that he is a citizen of the United States, or has declared his intention to become such; and that the entry is made for his exclusive use and benefit, and for actual settlement and cultivation; and must pay the legal

use and benefit, and for actual settlement and cultivation; and must pay the legal fee and that part of the commissions which is payable when the entry is made, as given in tables below.

15. Where the applicant has made actual settlement on the land he desires to enter, but is prevented by reason of bodily infirmity, distance, or other good cause, from personal attendance at the district land office, the affidavit may be made before the clerk of the court for the county within which the land is situated, under section 2,294 of the Revised Statutes.

under section 2,294 of the Revised Statutes.

16. On compliance of the party with the foregoing requirements, the receiver will issue his receipt for the fee, and that part of the commissions paid, a duplicate of which he will deliver to the party. The matter will then be entered on the records of the district office, and reported to the General Land Office.

17. An inceptive right is vested in the settler by such proceedings, and upon faithful observance of the law in regard to settlement and cultivation for the continuous term of five years, and at the expiration of that time, or within two years.

tinuous term of five years, and at the expiration of that time, or within two years thereafter, upon proper proof to the satisfaction of the land officers, and payment to the receiver of that part of the commission remaining to be paid, as given in tables below, the receiver issuing his receipt therefor, the register will issue his certificate, and make proper returns to this office as the basis of a patent or complete title for the homestead. title for the homestead.

Note.—The law is specific in requiring final proof to be made within two years after the expiration

In making final proof, it is required that the homestead party shall appear in per son at the district land office, and there make the affidavit required of him by law in support of his claim. Where, from physical disability, distance, or other good cause, the witnesses of said party cannot attend in person at the district office, officer authorized by law to administer oaths.

Their testimony must retor existe the said of the control of the claim may be taken where they reside, before an officer authorized by law to administer oaths.

Their testimony must state satisfactorily the reason of their inability to attend at the district office; and the credibility and responsibility of the witnesses must be the district office; and the credibility and responsibility of the witnesses must be supported by the control of the cont certified by the officiating magistrate, whose official character must be authenti-

The corroborating testimony thus prepared must be deposited with the register



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and receiver, and filed with the affidavit of the homestead party, and the decision of the register and receiver endorsed thereon, as a preliminary to the transmission of the same to the General Land Office

18. Where a homestead settler dies before the consummation of his claim, the widow, or in case of her death, the heirs, may continue the settlement and cultivation, and obtain title upon requisite proof at the proper time. If the widow proves up, the title passes to her; if she dies before proving up and the heirs make the proof, the title will vest in them.

Where both parents die, leaving infant heirs, the homestead may be sold for cash for the benefit of such heirs, and the purchaser will receive title from the United States.

19. The sale of a homestead claim by the settler to another party before completion of title is not recognized by this office, and not only vests no title or equities in the purchaser, but would be *prima facie* evidence of abandonment, and might give cause for cancellation of the claim.

A party may relinquish his claim, but on his doing so, the land reverts to the Government. The party so desiring should surrender the duplicate receipt issued for the entry, with his written relinquishment of the same endorsed thereon, to the register and receiver of the proper district land office. If the duplicate receipt has been lost, he should submit to those officers a written relinquishment of the entry, in which he should state the fact of the loss of the duplicate receipt, and which should be duly signed and acknowledged. The register and receiver will report the relinquishment, as any other evidence of abandonment, with their opinion thereon, for the action of this office.

Where application is made to contest the validity of a homestead entry on the ground of abandonment, the party must file his affidavit with the district land officers, setting forth the allegations on which his application is founded, describing the tract, and giving the name of the settler. Upon this the officers will set apart a day for a hearing, giving all the parties in interest due notice of the time and place of trial

After the trial, the land officers will transmit the testimony, with their joint report, for the action of this office.

The expenses incident to such contest must be defrayed by the contestant, and no entry of the land can be made until the district officers have received notice from this office of the cancellation of the entry covering the same; nor does any informant obtain any privileges thereby. Such person must, if he desires the land, by proper diligence ascertain when notice of cancellation is received by the register and receiver, an 1 then make formal written application for the tract; the land, after reception by said officers of notice of cancellation, being always open to the first lead applicant, unless withdrawn from entry by competent authority.

legal applicant, unless withdrawn from entry by competent authority.

20. As the law allows but one homestead privilege, a settler relinquishing or abandoning his claim cannot thereafter make a second entry; but where, a party having made one entry, it is canceled as invalid, for some other reason, he is not thereby debarred from entering again.

Where an individual has made settlement on a tract and filed his pre-emption declaration therefor, he may change his filing into a homestead, if he continues in good faith to comply with the pre-emption laws until the change is effected. If, however, the land has become double minimum in price he cannot, unless entitled as a soldier or sailor, under section 2,304 of the Revised Statutes, commute for more than a "half quarter section," or 80 acres.

21. If the homestead settler does not wish to remain five years on his tract, the law permits him to pay for it with cash or warrants, or agricultural college scrip, upon making proof of settlement and cultivation for a period not less than six months from the date of entry to the time of payment.

This proof of actual settlement and cultivation must be the affidavit of the party, made before the district officers, corroborated by the testimony of two credible witnesses

witnesses.

22. There is another class of homesteads designated as "adjoining farm homesteads." In these cases the law allows an applicant, owning and residing on an original farm, to enter other land lying contiguous thereto, which shall not, with such farm, exceed in the aggregate 160 acres. Thus, for example, a party owning or occupying 80 acres may enter 80 additional of \$1.25, or 40 acres of \$2.50 land. Or, suppose the applicant to own 40 acres, then he may enter 120 acres at \$1.25, or 40 at \$2.50, if both classes of land should be found contiguous to his original farm.



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678 STATE BOARD OF AGRICULTURE. In applying for an entry of this class, the party must make affidavit describing the tract which he owns and upon which he resides as his original farm. In making final proof, it is not required that he should prove actual residence on the separate tract entered; but if he does not, it must appear from the proof adduced that he has continued for the period required by law to reside upon and cultivate the original farm tract, and has bona fide made use of the entered tract as a part of the homeinal tarm tract, and has own has made use of the effected tract as a part of the home stead inclosing, cultivating, or otherwise improving the same.

23. Provisions for the benefit of soldiers and sailors of the late war, their widows and minor orphan children.—Sections 2,304, 2,305, 2,306, 2,307, 2,308, and 2,309 of the Revised Statutes, for the benefit of soldiers and sailors, their widows and minor 1st. In section 2,304, that every soldier and officer of the army, and every seaman. marine, and officer of the navy, who served for not less than ninety days in the army or navy of the United States "during the recent rebellion," and who was honorably discharged, and has remained loyal to the government, may enter, under the provisions of the homestead law, 160 acres of the public lands, to be taken, if desired, from the class double minimum lands. 2d. In section 2,305, that the time of his service, or the whole term of his enlistment, if the party was discharged on account of wounds or disability incurred in the line of Juty, shall be deducted from the period of five years during which, as per section 2,291, the claimant must, to perfect title, reside upon and cultivate the entered tract, but with the proviso that the party shall in every case reside upon. improve, and cultivate his homestead for a period of at least one year after he shall have commenced his improvements. 3d. That any person entitled to the benefits of section 2,304, who had, prior to the 22d of June, 1874, made a homestead entry of less than 160 acres, may enter an 22d of June, 1874, made a homestead entry of less than 160 acres, may enter an additional quantity of land sufficient to make, with the previous entry, 160 acres 4th That the widow, if unmarried, or in case of her death or marriage, then the minor orphan children, of a person who would be entitled to the benefits of section 2,304, may enter lands under its provisions, with the additional privilege accorded, that, if the person died during his term of enlistment, the widow or minor children shall have the benefit of the whole term of enlistment. 5th. That any person entitled to the benefit of section 2,304 may file his claim for a tract of land through an agent, and shall have six months thereafter within which to make his entry and commence his settlement and improvement upon the land 24. The following is the course of proceedings for parties to avail themselves of the benefit of these sections of the Revised Statutes in making homestead entries 1st. On the party producing the proper proof of his right to do so, immediate entry of the tract desired may be made; but if the party so elect, he may file a declaration to the effect that he claims a specified tract of land as his homestead, and that he takes it for actual settlement and cultivation. The register and receiver will have the declarations of field in a continuous traction of the declarations of field in the continuous traction of the declaration of that he takes it for actual settlement and cultivation. The register and receiver will number the declarations so filed in a separate series, according to the order of filing, enter them on their records, and, with their monthly returns, forward an abstract, to embrace all declarations of this class filed with them during the month. Thereafter, at any time within six months from the date of filing, the party may come forward, make his entry of the land, and commence his settlement and improvement. Should the party present his declaration through an agent as sutherward by section 2 309 make his entry of the land, and commence his settlement and improvement. Should the party present his declaration through an agent, as authorized by section 2,309, said agent must produce a duly executed power of attorney from the principal desiring to make the entry, who will be bound by the selection his agent may make, the same as though made by himself. Failure of the party to make entry of the tract filed upon by himself or agent, within six months from the date of filing will be regarded as an abandonment, and a forfeiture of his right to enter; but in any case where the party acted in good faith, and the failure resulted from sickness, misfortune, or any insurmountable cause, he may submit, through the register and receiver of the proper district land office, his affidavit, setting forth that such was the case, with the reasons of his failure; and that he has not attempted by sale, barter, or in any way whatever, to alienate for gain or profit his claim or right under the filing, or to the land covered thereby. If the showing so made should be found satisfactory, the register and receiver will be instructed to permit him to enter as a home-stead the same tract for which his declaration was filed, if no valid adverse right to that tract shall have intervened, or any other tract subject to entry, in case a valid that tract shall have intervened, or any other tract subject to entry, in case a valid adverse right shall have intervened to the tract filed upon 2d. The claims of widows and minor orphan children may be initiated by declaration as above. Minor orphan children can act only by their duly-appointed guardians, who must file certified copies of the powers of guardianship, which must be



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transmitted to this office by the registers and receivers with their abstracts of dec-The law does not requre, as a condition to enjoying its benefits, that the party should first file a declaratory statement, and, as before stated, immediate entry may be made.

3d. Applications for additional entries must be for a quantity which, with the

original entry, will not exceed 160 acres.

Where the party's first entry has been consummated, the register and receiver will require him to make application and affidavit in the forms prescribed and to pay the same fee and commissions as in cases of original entry. The receiver will issue his receipt for the money paid, and these papers will receive the current date and the proper numbers in their homestead series. Then, to complete the terms of the paper with the paper with the convenience of hysiness that the additional control of the paper is the convenience of hysiness that the additional control of the paper is the paper which the convenience of hysiness that the additional control of the paper is the paper in the convenience of hysiness that the additional control of the paper is the paper in the paper is the paper is the paper in the paper is the paper is the paper in the paper in the paper is the paper in the paper in the paper is the paper in the paper the transaction—it being an object for the convenience of business that the additional entry papers, and the final papers therefor, in such cases, shall be kept separate and distinct—the party will make payment of the usual final commissions on the entered tract, for which the receiver will issue his receipt. The register will thereupon issue his final certificate for the additional tract; the receipt and certificate to bear their proper number in the final homestead series, likewise a reference to the original entry and to the final certificate thereon, by their number, and also by their district, where the party's first entry shall have been made in a different

In case the party has not made proof on his original homestead entry when he applies for additional land, he will be allowed to make the additional entry on proper application and affidavit, as above stated, and paying the usual fee and commissions, for which the receiver will issue his receipt; the papers to receive their proper numbers in the homestead series, with a reference thereon to the original entry. Thereafter, when the party shall make final proof on the original entry, he will be required to pay the final commissions on both entries, when a final receipt will be issued for the money, and thereupon a final certificate issued to call both for the tract in the original entry and the additional tract. On these papers the register and receiver will make a reference to the original and the additional entry, and on them one patent will issue for both; yet where it happens that the original entry and the additional entry are made in different land districts, this rule must be departed from, so far as regards the issuing of one final certificate and receipt

for both.

25. The following proof will be required of parties applying for the benefits of these sections, in addition to the prescribed affidavit of the applicant:

1st. Certified copy of certificate of discharge, showing when the party enlisted and when he was discharged; or, if this cannot be procured, then the affidavits of two respectable, disinterested witnesses, corroborative of the allegations contained in the prescribed affidavit on these points.

2d. In case of widows, the prescribed evidence of military service of the husband, as above, with affidavit of widowhood.

3d. In case of minor orphan children in addition to the prescribed evidence of

ad. In case of minor orphan children, in addition to the prescribed evidence of military service of the father, proof of death or marriage of the mother. Evidence of death may be the testimony of two witnesses or certificate of a physician duly attested. Evidence of marriage may be a certified copy of marriage certificate, or of the record of same, or testimony of two witnesses to the marriage ceremony.

or of the record of same, or testimony of two witnesses to the marriage ceremony.

26. The register and receiver will be allowed to charge one dollar each for receiving and filing the initiatory declaration of the parties in cases where such declarations are filed. This fee the receiver will account for in the usual manner, indicating the same in his accounts as fees for "homestead declarations," which will be charged against the maximum of \$3,000 now allowed by law. In the States and Territories, for which 50 per centum additional is allowed by the twelfth subdivision of section 2,238 of the Revised Statutes, the additional allowance will apply to the fee herein named, viz: California, Oregon, Washington, Nevada, Colorado, Idaho, New Mexico, Arizona, Utah, Wyoming, and Montana.

27. Provisions for the benefit of Indians.—The 15th and 16th sections of the act of March 3, 1875, extends the benefits of the homestead act of May 20, 1862, and the acts amendatory thereof (now embodied in sections 2,290, 2,291, 2,292, and 2,295 to 2,302, inclusive, of the Revised Statutes), to any Indian, born in the United States, who is the head of a family, or who has arrived at the age of twenty-one years; and who has abandoned, or may hereafter abandon, his tribal relations with the exception that the provisions of the eighth section of said act of relations with the exception that the provisions of the eighth section of said act of 1862 (section 2,301 of the Revised Statutes), shall not be held to apply to entries made thereunder, and with the proviso that the title to lands acquired by any



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Indian by virtue thereof shall not be subject to alienation or incumbrance, either by voluntary conveyance, or the judgment, decree, or order of any court, and shall be and remain inalienable for a period of five years from the date of the patent

An Indian desiring to enter public land under this act must make application to the register and receiver of the proper district land office; also an affidavit setting forth the fact of his Indian character; that he was born in the United States, that he is the head of a family or has arrived at the age of twenty-one years; that he has abandoned his tribal relations and adopted the habits and pursuits of civilized life, and this must be corroborated by the affidavits of two or more disinterested. life, and this must be corroborated by the affidavits of two or more disinterested

If no objection appear, the register and receiver will then permit him to enter the tract desired, according to the existing regulations, so far as applicable, under the howestead law the register writing agrees the face of the application, the the tract desired, according to the existing regulations, so far as applicable, under the homestead law, the register writing across the face of the application, the words, "Indian homestead — act of March 3, 1875;" they will note the entry on their records and make returns thereof to this office, with which they will send the affidavits submitted. It will be observed that the provisions of the eighth section of the act of May 20, 1862 (section 2, 301 of the Revised Statutes), which admit of the commuting of homestead to cash entries, do not apply to this class of homesteads.

28. All lands obtained under the homestead laws are exempt from liability for debts contracted prior to the issuing of patent therefor.

29. For homestead entries on lands in Michigan, Wisconsin, Iowa, Missouri, Minnesota, Kansas, Nebraska, Dakota, Alabama, Mississippi, Louisiana, Arkansas, and Florida, fees are to be paid according to the following table:

Acres.	PRICE PER ACRE.	COMMISSION.		FEES.	
HORES.		PAYABLE WHEN ENTRY IS MADE.	PAYABLE WHEN CERTIFICATE ISSUES.	PAYABLE WHEN ENTRY IS MADE.	TOTAL FEES AND COMMISSIONS
160 80 40 80 40	\$1.25 1.25 1.25 2.50 2.50	\$4.00 2.00 1.00 4.00 2.00	\$4.00 2.00 1.00 4.00 2.00	\$10.00 5.00 5.00 10.00 5.00	\$18.00 9 00 7 00 18 00 9 00

Note.—Where entries are made on \$2.50 lands by officers, soldiers and sailors, under section 2 304 of the Revised Statutes, double the amount of the above commissions must of course be paid, that is, for 160 acres of \$2.50, \$8 at the date of entry, and \$8 upon proving up

By section 2,303 of the Revised Statutes, the public lands in five of the above States, viz: Alabama, Mississippi, Louisiana, Arkansas, and Florida, are not subject to disposal in any other manner than according to the provisions of the homestead laws. In addition to the States and Territories named, the above rates will apply to Ohio, Indiana and Illinois, if any vacant tracts can be found liable to entry in these three States, where but very faw isolated tracts of public land remain in these three States, where but very few isolated tracts of public land remain undisposed of

30. In the Pacific and other political divisions, viz., on lands in California, Nevada, Oregon, Colorado, New Mexico, and Washington, and in Arizona, Idaho, Utah, Wyoming, and Montana, the commissions and fees are to be paid according to the following table:

	Down D	COMMISSIONS.		Fees.	
ACRES	PRICE PER ACRE.	PAYABLE WHEN ENTRY IS MADE.	PAYABLE WHEN CERTIFICATE ISSUES.	PAYABLE WHEN ENTRY IS MADE.	TOTAL FEES AND COMMISSIONS.
160 80 40 80 40	\$1 25 1 25 1 25 2 50 2 50	\$6.00 3.00 1.50 6.00 3.00	\$6 00 3.00 1 50 6.00 3.00	\$10.00 5.00 5.00 10.00 5.00	\$22.00 11.00 8.00 22.00 11.00

The note to the table under the 29th head applies also to this table of rates.



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LAWS TO PROMOTE TIMBER CULTURE.

31. The timber-culture act, of March 13, 1874, amendatory of the act of March 3, 1873, (sections 2,464 to 2,468 of the Revised Statutes), is to the following effect:

1. The privilege of entry under this act is confined to persons who are heads of families, or over twenty-one years of age, and who are citizens of the United

States, or have declared their intention to become such;

2. The affidavit required for initiating an entry under this act may be made before the register or receiver of the district office for the land district embracing the desired tract, or before some officer authorized to administer oaths in that district, who is required by law to use an official seal;

3. Not more than one quarter of any one section can be entered under this act;
4. The privilege of making more than one entry thereunder, is confined to such parties as shall enter, in each and every instance, a fractional subdivision of less than forty acres, and the aggregate area of such entries shall not exceed 160 acres;

5. The ratio of area required to be broken, planted, etc., is, in all cases initiated under the first section of this act, one-fourth of the land embraced in the entry;
6. One-fourth part of the area required to be devoted to timber must be broken within one year from the date of entry; one-fourth part more within two years from date of entry; and the remaining one-half within three years from date of

entry;
7. One-fourth part of the area required to be devoted to timber must be planted within two years from date of entry; one-fourth part more within three years from date of entry; and the remaining one-half within four years from date of

entry;
8. The trees are required to be not more than twelve feet apart each way, and the same are required to be protected, cultivated, and kept in a healthy growing con-

same are required to be protected, cultivated, and kept in a healthy growing condition for eight years next succeeding the date of entry;

9. If, at the expiration of the said eight years, or at any time within five years thereafter, the person making the entry, or, if he or she be dead, his or her heirs or legal representatives, shall prove by two credible witnesses the fact of such planting, cultivation, etc., of the said timber for not less than the said period of eight years, he, she, or they shall receive a patent for the land embraced in said entry;

10. In case of the death of a person who, having entered a quarter section, has complied with the provisions of this act for the period of three years—that is to say, who has broken ten acres the first year, ten acres the second year, and twenty

say, who has broken ten acres the first year, ten acres the second year, and twenty acres the third year, and who has planted ten acres with timber the second year, and ten acres the third year—then, and in that case, his or her heirs or legal representaten acres the third year—then, and in that case, his or her heirs or legal representa-tives shall be permitted, at their option, to continue to comply with the provisions of this act during the unexpired portion of the eight years, and thereupon receive a patent for said quarter section; or, on making proper proof of the compliance of the deceased settler, with the requirements of the act for the said period of three years, they shall receive, without delay, a patent for forty acres of said quarter section, upon the condition that they relinquish to the United States all claim to the remainder of the land embraced in such entry;

11. If, at any time, after not less than one year from the date of entry under the first section of this act, and prior to the issue of a patent therefor, the claimant shall fail to do the breaking and planting required by this act, or any part thereof, or shall fail to cultivate, protect and keep in good condition such timber, then, and in that event, such land shall become liable to a contest in the manner provided in homestead cases; and upon due proof of such failure the entry shall be canceled and the land become again subject to entry under the homestead laws, or hy seems and the land become again subject to entry under the homestead laws, or by some

other person under the provisions of this act;

12. Each and every homestead settler, at any time after the end of the third year. of his or her residence, who, in addition to the settlement and improvements required by the homestead laws, shall have had under cultivation for two years one acre of timber (the trees thereon being not more than twelve feet apart each way, and in a good thrifty condition) for each and every sixteen acres of said home-stead, shall, upon due proof of such fact by two credible witnesses, receive his or her patent for said homestead;
13. No land acquired under the provisions of this act shall in any event become

liable to the satisfaction of any debt or debts contracted prior to the issuing of final certificate therefor

14. The fees for all entries under this act shall be ten dollars, and the commission



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682 STATE BOARD OF AGRICULTURE. of registers and receivers on all entries, irrespective of area, shall be four dollars, two dollars to each, at the date of entry, and a like sum at the date of final proof;
15. No distinction is made, as to area or the amount of fee and commissions, between minimum and double-minimum lands; a party may enter 160 acres of either on payment of the prescribed fee and commissions;

16. The fifth section of the act entitled "An act in addition to an act to punish crimes against the United States, and for other purposes," approved March 3, 1857, shall extend to all oaths, affirmations, and affidavits required or authorized by this 17. Parties who may have already made entries under the timber-culture act of March 3, 1873, of which this is amendatory, shall be permitted to continue and complete the same in the manner and under the conditions prescribed by this act. 32. Pursuant to the foregoing provisions, the following regulations will be observed, viz:

First. The register and receiver will restrict entries under this act to some one "technical quarter section" in any section of public land which is wholly prairie and naturally devoid of timber, and, hence, subject to the operation of the act, which may be either the northeast quarter, southeast quarter, northwest quarter, or southwest quarter, as the first legal applicant for a timber-culture entry in such section may elect. Before allowing any entry applied for they will, by a careful examination of the plat and tract books with reference to any previous entry or entries within the limits of the same section, satisfy themselves that the desired entry is admissible_under this rule. admissible under this rule.

Second. In the case of an application for a fractional subdivision containing less than forty acres, they will require the applicant to state in his affidavit that he has, or has not, as the case may be, made a previous entry of a similar fractional subdivision. If he shall have made one or more such previous entries they will require him to exhibit his duplicate receipts or patents therefor, and will note the same by number, acres, district, and description of the land, upon the application presented, thus: "Previous entry No. —, [Description,] —— acres, — District."

Third. When they shall have satisfied themselves that the land applied for is properly subject to such entry, they will require the party to make affidavit. properly subject to such entry, they will require the party to make affidavit, and to pay the fee and that part of the commissions payable at the date of entry, and the receiver will issue his receipt therefor, in duplicate, giving the party a duplicate receipt. They will number the entry in its order, in a separate series of numbers, unless they have already a series under the act of March 3, 1873, to which this act is amendatory, in which case they will number the entry as one of that series; they will note the entry on their records, and report it in their monthly returns, sending up all papers therein, with an abstract of the entries allowed during the month under this act. Fourth. The fee and commissions in this class of entries the receiver will account for in the usual manner, indicating the same as fees and commissions on timber-culture entries, which will be charged against the maximum of \$3,000 now allowed Fifth. When a homestead party claims a patent for his homestead entry under the fourth section of this act, the register and receiver will require him to make affidavit, and proof, which must show that he has resided upon and cultivated the tract for not less than three years, in addition to the facts that the land is prairie in character, and that he has cultivated timber thereon, as required to bring the case within the provisions of said fourth section. This being done, and the proper commissions paid, the receiver will issue his receipt for the money, and the register his final certificate for the entry, the papers to be numbered in the regular final homestead series. Sixth. In all cases under this act it will be required that trees shall be cultivated, which shall be of the class included in the term "timber" the cultivation of shrubbery and fruit-trees not being sufficient. PRESENTATION OF APPEALS. 33. Any party aggrieved by the rejection of his claim has a right to appeal from 33. Any party aggrieved by the rejection of his claim has a right to appeal from the decision of the register and receiver to the commissioner of the General Land Office. Such appeal, however, with the reasons therefor, must be filed with the land officers within thirty days from the date of their decision, accompanied by the rejected papers, if any; also, with any argument the party desires to file. These papers will then be forwarded to the commissioner by the district land officers for review and decision. Their report should set forth the nature of the claim, whether



Transactions of the Kansas State Board of Agriculture, 1875

FOURTH ANNUAL REPORT.

homestead, pre-emption, timber culture, railroad, mineral, swamp, or other State selection, with the names of parties, description of land, number of filing, entry, list or selection, and date of hearing.

No appeal will be entertained unless sent up through the district land office The party may still further appeal from the decision of the commissioner of the General Land Office to the Secretary of the Interior. This appeal must be taken within sixty days after service of notice on the party. It may be filed with the district land officers, and by them forwarded; or it may be filed with the commissioner, and must recite the points of exception.

If not appealed, the decision is by law made final. (See section 2,273 of the Revised Statutes.) After appeal, thirty days are usually allowed for filing arguments, and the case is then sent to the Secretary, whose decision is final and conclusive

REGISTERS' AND RECEIVERS' RETURNS.

34. Within three days from the close of each month the district land officers are required to make out and transmit to the General Land Office a statement of the business of their respective offices for the preceding month

These reports are in the form of abstracts of pre-emption declarations and of soldiers declarations filed, abstracts of lands sold, abstracts of homesteads entered, abstracts of timber culture entries allowed, abstracts of military bounty land war rants, and of agricultural college scrip located, accompanied by the certificates of purchase, receiver's receipts, homestead and timber culture applications and affidavits, military bounty land warrants and agricultural college scrip surrendered as satisfied, and the certificates of location thereof.

The abstracts, after being carefully examined by the register and receiver, are to be certified by them as correct, and as in conformity with the papers in the entries or locations embraced therein, and with their records, which papers, abstracts, and records must agree with each other

The receiver is required also to render promptly a monthly account of all moneys received, showing the balance due the Government at the close of each month.

At the end of every quarter he must also transmit a quarterly account as receiver; upon the several accounts an adjustment is here made and submitted to the Treasury Department for final settlement.

He must also render a quarterly disbursing account of all moneys expended The receiver is required to deposit the moneys received by him at some depository designated by the Secretary of the Treasury when the amount on hand shall have reached the sum of two thousand dollars; and in no case is he authorized, without special instructions, to hold a larger amount in his hands.

35. It is the duty of the registers and receivers to be in attendance at their offices. and give proper facilities and information to persons applying for lands.

37. Laws and instructions relating to mining claims form the subject of a separate circular.

Lands bearing "gold, silver, cinnabar, lead, tin, copper, or other valuable deposits," are not subject to disposal under the homestead and pre-emption laws.

38. Registers and receivers of the land offices are not authorized by law to make any charge for their services in accepting or entering pre-emption or homestead claims other than such as are herein set forth.

39. By section 2,224 of the Revised Statutes it is, among other things, provided that upon satisfactory proof that either of said officers, or any other officer, has charged or received fees or other rewards not authorized by law, he shall forthwith be removed from office.

S. S. BURDETT, Commissioner of the General Land Office.

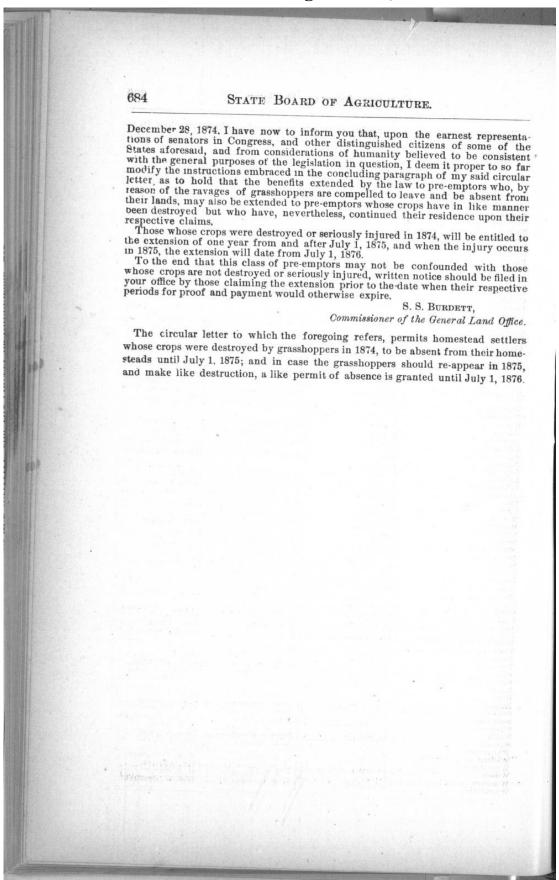
EXTENSION OF TIME TO PRE-EMPTORS IN DISTRICTS RAVAGED BY GRASSHOPPERS.

> DEPARTMENT OF THE INTERIOR, GENERAL LAND OFFICE,) Washington, D. C., May 11, 1875.

Registers and Receivers :

GENTLEMEN:- Referring to my circular letter of Jan. 5th, 1875, transmitting to you a copy of the act for the relief of settlers on the public lands, approved







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OF THE

KANSAS ACADEMY OF SCIENCE.

The eighth annual meeting of the Kansas Academy of Science was held in the Senate Chamber, at Topeka, beginning at 3 P. M. October 12th, and closing at 10 P. M. October 13th.

Among the proceedings of the Academy, the following will be of public interest: A resolution was presented and passed as follows:

"Resolved, That the increasing popular demand for scientific information makes it a duty of members of this Association to embrace every appropriate occasion to aid the efforts of those seeking the introduction of the natural sciences into the common schools."

A committee, consisting of Profs. W. K. Kedzie, M. V. B. Knox and B. F. Mudge, was appointed to draft resolutions in regard to the necessity for a geological survey of the State, for presentation to the Legislature. The following report was unanimously adopted as an expression of the opinions of the Academy:

"It is now notoriously the fact that tons of choice minerals and fossils of Kansas

are being shipped by collectors to the cabinets of eastern universities.

"It is exceedingly important for the educational and scientific interests of the State that these valuable specimens should be detained in the cabinets of the State. "There is also a constantly increasing demand for more accurate and intelligent

information as to the coal, gypsum, salt and other resources of the State. "It is also well known that much money has been wasted in this State, in useless mining enterprises, which might have been saved by proper geological knowledge.

Therefore, "Resolved, 1st, That in the opinion of this Academy, a thorough geological survey of the State is imperatively needed.

"2d. This survey is necessary to develop fully the coal, salt, gypsum, lead, zinc,

building stone, ochre and other resources of the State.

"3d. That such a survey should also include a thorough investigation of the rain-fall, spring and river system and general water supply of the State.

"4th. That the material already accumulated by this Academy, including lists of place third principle and investor of the State with a place of the state. of plants, birds, minerals and insects of the State, will be gladly contributed to this

work.
"5th. That not only would such a survey place us on an equality with the more advanced States of the Union, but must prove for the State a most profitable mon-

etary investment." The resolutions were given to the Executive Committee of the Academy, who were directed to act thereon in conjunction with the State Board of Agriculture.

The following papers were read:

Additions to the Catalogue of the Lepidoptera of Kansas, by Prof. F. H. Snow. Observations on the Botany of Kansas, with list of Plants observed since last year, by Prof. J. H. Carruth.

Descriptions of the several stages of Plagiodera scripta Fabr. - by William Osburn.



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TRANSACTIONS OF THE KANSAS

Remarks on some Characteristic Fossils of Western Kansas, by Prof. B. F. Mudge. On the Hot Bluffs of the Missouri River in Nebraska, by Prof. W. K. Kedzie.

On the San Juan Mining Region, by Dr. W. H. Saunders.

On the Habits of certain Larvæ, by Geo. F. Gaumer. Catalogue of the Mammals of Kansas, with notes, by Prof. M. V. B. Knox.

On the Ozone in the Atmosphere of Kansas, by Prof. W K Kedzie.

Additions to the Catalogue of Kansas Birds, by Prof. F. H. Snow.

On the Chalk of Kansas, by Prof. G. E. Patrick

On the Larva and Chrysalis of the Sage sphinx (Sphinx lugens Walker), by Prof.

The following officers were elected for the ensuing term of one year:

President - Frank H. Snow.

Vice Presidents - B. F. Mudge, J. H. Carruth.

Secretary - Joseph Savage.

Treasurer - R. J. Brown.

Curators — F. H. Snow, W. K. Kedzie, E. A. Popenoe.

The following commissions were also appointed:

Geology - B. F. Mudge, M. V. B. Knox.

CHEMISTRY AND MINERALOGY — W. K. Kedzie, G. E. Patrick.

Mammalogy - M. V. B. Knox.

ORNITHOLOGY - F. H. Snow.

ENTOMOLOGY: Lepidoptera — F. H. Snow; Coleoptera — E. A. Popenoe; Hymenoptera — William Osburn; Diptera — George F. Gaumer.

BOTANY - J. H. Carruth, John Wherrell.

Engineering — F. W. Bardwell, William Tweeddale.

METEOROLOGY - J. D. Parker.

PHILOLOGY - D. H. Robinson.

Committee on Publication — B. F. Mudge, Chairman; A. Gray, F. H. Snow.

Committee on Local Arrangements - P. McVicar, Chairman; A. H. Thompson, E.

The Society adjourned to meet in 1876, in Topeka — the date to be announced by the Executive Committee.

E. A. POPENOE, Secretary pro tem.

OZONE IN KANSAS ATMOSPHERE.

By Prof. Wm. K. Kedzie, of the State Agricultural College.

We hear much from every quarter of the healthfulness so generally characteristic of the climate of Kansas; and no person long resident within the State can have failed to be strongly impressed by the unmistakable health-producing and healthsustaining features of Kansas atmosphere. None of us need to be reminded of the general immunity which we enjoy from the inroads of bronchial and lung difficulties; nor to recall the startling recoveries which we have all witnessed when invalids are brought into our midst completely prostrated by these maladies as they prevail in more eastern localities. I doubt not every thoughtful student has



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carefully sought for the adequate causes which have brought about so admirable a sanitary result. Our altitude above the sea is considerable, and yet is manifestly insufficient to account for so well marked a condition. Our atmosphere is proverbially a dry one; but an arid climate is not necessarily a healthful one. Now it is far from being the object of this paper to attempt any solution of this interesting problem, in which so many elements must obviously enter, and in the discussion of which any unanimity of opinion is well-nigh impossible. It is simply my desire to call your attention as a possible explanation of our climatic superiority, to the existence of an element which has thus far received little attention among us: the Ozone, everywhere prevalent in Kansas atmosphere. Nor is it any part of my intention to present here any elaborate discussion of the nature of this element nor of its supposed relations to the conditions of health and disease. This element has now been known to chemists barely thirty-five years, and yet ever since its discovery in 1840, by Schonbein, of Basle, it has probably received from chemists more universal attention with less satisfactory results than any other one body. It is only recently that a prominent member of the British Association pronounced any attempt to investigate the nature or relations of Ozone, "a delusion and a snare," and the great majority of English and American chemists have seemed disposed to "take him at his word," as its investigation has been by them almost wholly neglected. The whole matter seems to have been left to the researches of a few German and French chemists whose half contradictory results have appeared only in disjointed articles in the foreign periodicals. Indeed but one volume of English authorship, making any pretentions to thoroughness in the matter, has appeared; and even in this the subject is treated in a most fragmental and unsatisfactory manner.

But notwithstanding this disheartening meagerness of knowledge of the nature of Ozone and of the conditions in which it appears, there can be no shadow of a doubt that the relations which it sustains to organic life in every form are of most vital importance, and that we to-day are more generally indebted for our sanitary well-being to its indirect influence than we have as yet any conception. Now we know this Ozone to be an allotropic form of oxygen. We know it to be commonly produced by the action of electricity on the oxygen of our common air. Its peculiar odor as thus produced has been known from the most remote antiquity. Homer, in his Odyssey, speaks of the atmosphere, after the passage of the thunderbolt, as being "quite full of sulphurous odor," and it is a common experience of those who have happened near a lightning stroke that it is instantly followed by this strong characteristic odor. A positive proof of this fact, however, was furnished by a Swiss scientist, Buchwalder, who, while traveling in the Alps, was overtaken by a violent thunder storm in which his guide was instantly killed by a lightning stroke, and the powerful odor was at once apparent. Shortly afterward he visited the laboratory at Basle, in which Schonbein was manufacturing a large quantity of Ozone for experiment, when he at once expressed his astonishment at the strong "smell of lightning" which he had just observed a few days before in the thunder storm on the Alps. Thus the identity of the phenomena was plainly established. The same odor may be observed around an electrical machine during its operation in a close dry room. The allotropic condition of Ozone, however, is best illustrated by a single experiment. We know that the metal silver remains bright and unaltered in dry oxygen gas. But let a strip of silver be enclosed in a tube of oxygen, and let a succession of electric sparks be passed through, Ozone will be produced and the silver will almost immediately become covered with a black



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