

FATHER SWEARS WARRANT

Eloping Couple at Beatrice Are Taken to Police Station.

GIRL IS RELEASED AND GOES HOME

Man in the Case Has a Wife and Children Said to Be Living at Aurora—He Also Out on Bonds.

BEATRICE, Neb., Nov. 14.—(Special Telegram.)—A mild scandal occurred here last night when Miss Thompson, a painter, brought out a warrant in police court for the ALL of her daughter, Miss Flora Thompson, charged with assaulting her mother. The girl involves a married man named Thompson when the trouble occurred yesterday and last evening called GIARDS Epperson home. As he and the girl, who is about 18 years of age, leave the premises Mrs. Thompson is upon the scene and remonstrated with her daughter, whereupon Miss Thompson struck her mother. After the trouble the couple STRAYED and were not seen again until this morning, when they were arrested as they were coming out of the Arcade restaurant and taken to the police station. When searched two revolvers were found on Harbert's person. A charge of carrying concealed weapons was lodged against him and he was fined \$25 and costs. He could not pay the fine and was lodged in jail. The case against Miss Thompson was continued until December. She was released on her personal recognizance, her bond being fixed at \$100. Her father took her home. This evening Harbert furnished an appeal bond of \$100 and was released. The officers believe the couple intend to elope, since both of them have been given their freedom. The feeling here is bitter against Harbert. Miss Thompson first met Harbert when he was employed in the laundry at the Institute for Feeble Minded Youth here some time ago. She became infatuated with him and he called at the Thompson home a number of times before Mr. Thompson learned that he was making her home. When Mr. Thompson was informed that he was a man of family he warned Harbert not to call at his home again. According to Mr. Thompson's statements, Harbert has proposed marriage to the young woman and asked her to marry him. It is said that he is employed in a laundry at one of the state institutions at Kearney. His wife and children are said to be living at Aurora.

FILE BRIEF IN LILLIE CASE

Attorney for Fair Defendant Presents Bulky Document to the Court.

LINCOLN, Nov. 14.—(Special.)—The fate of Lena Margaret Lillie, convicted by a Butler county jury of the murder of her husband, Harvey Lillie of David City, now hangs on two briefs filed in the supreme court, the last two of which were filed today by Hamer & Hamer who have been retained to appear in the case. The last brief is a bulky one of 184 pages and it goes into all the evidence offered on the trial, criticizing freely the conduct of the judge and jury, and the methods used to convict Mrs. Lillie. Norris Brown went to work immediately this morning on the state's brief as soon as the briefs had been served. It is expected the case will be reached in the supreme court within thirty days. The brief of the state is not expected to be very bulky.

Sues Railroad for Damages.

PLATTSBROUGH, Neb., Nov. 14.—(Special.)—William R. Stull, a contractor, has filed a suit in the district court of Mills county, Ia., against the Chicago, Burlington & Quincy Railroad company, in which he asks \$10,000 damages. On February 27, 1902, a train came to his death as a result of a fall from a trestle on the bridge over the Missouri river at this point, then in course of construction. He stepped upon a loose plank, and fell to the ice below, a distance of about seventy-five feet, sustaining injuries from which he died five hours later. The deceased left a wife and three small children.

R. E. Sunderland Injured.

GRAND ISLAND, Neb., Nov. 14.—(Special.)—While taking measurements for the fire proofing on the new Carnegie library, in course of construction, R. E. Sunderland of Omaha slipped and stepped with a nail to the depth of an inch. The injury was dressed and Mr. Sunderland returned to Omaha.

Recover Their Horses.

BEATRICE, Neb., Nov. 14.—(Special.)—Albert Klug and his uncle, Henry Klug, both of Schuyler, Neb., came here yesterday after four head of horses which were

THE VALUE OF CHARCOAL.

How People Know How Useful It is in Preserving Health and Beauty.

Nearly everybody knows that charcoal is the safest and most efficient disinfectant and purifier in nature, but few realize its value when taken into the human system for the same cleansing purpose. Charcoal is a remedy that the more you take of it the better; it is not a drug at all, but simply absorbs the gases and impurities always present in the stomach and intestines and carries them out of the system. Charcoal sweetens the breath after smoking, drinking or after eating onions and other odorous vegetables. Charcoal effectually clears and improves the complexion, it whitens the teeth and further acts as a natural and eminently safe cathartic. It absorbs the injurious gases which collect in the stomach and bowels; it disinfects the mouth and throat from the poison of catarrh. All druggists sell charcoal in one form or another, but probably the best charcoal and the most for the money is in Stuart's Absorbent Lozenges; they are composed of the finest powdered Willow charcoal and other harmless antiseptics in tablet form, or, rather, in the form of large, pleasant tasting lozenges, the charcoal being mixed with honey. The daily use of these lozenges will soon tell in a much improved condition of the general health, better complexion, sweeter breath and purer blood, and the beauty of it is, that no possible harm can result from their continued use, but, on the contrary, great benefit. A Buffalo physician, in speaking of the benefits of charcoal, says: "I advise Stuart's Absorbent Lozenges to all patients suffering from gas in the stomach and bowels, and to clear the complexion and purify the breath, mouth and throat, I also believe that it is greatly benefited by the daily use of them; they cost but twenty-five cents a box at drug stores, and although in some sense a patent preparation, yet I believe I get more and better charcoal in Stuart's Absorbent Lozenges than in any of the ordinary charcoal tablets."

being shipped to Oklahoma in a car by Albert Klug, who was arrested here the other day by Chief Aschenfelder and taken back to Schuyler. Albert Klug had a mortgage on the animals, and after replying them from the Union Pacific he shipped them home last night. Klug is in jail at Schuyler, awaiting trial on a charge of attempting to remove mortgaged property from the state.

SELL ONE FARM TO BUY THREE

Cass County Land Reaches a Figure Which Induces Its Owners to Let Go and Move West.

PLATTSBROUGH, Neb., Nov. 14.—(Special.)—Cass county land has become so valuable that many farmers are disposing of their homes and buying where land is cheaper, so as to provide homes for their children. Henry, Will and George Wenke have sold their farms for \$25 per acre to August Englekemier. Henry bought 100 acres in Knox county and Will and George each bought 100 acres in Pierce county for \$25 per acre. Frank Elton has sold 100 acres of land to William Edgar for \$12,000. J. M. Kiser has purchased 300 acres of land in Texas county, Missouri, and with his family will remove there. W. A. Ficht has purchased 1,000 acres of land near Akron, Colo., and will engage in the stock business there.

AGED MOTHER SUES HER SON

Through a Guardian Attempt is Made to Compel Payment of Small Sum Promised for Her Support.

PLATTSBROUGH, Neb., Nov. 14.—(Special.)—John D. Ferguson, as guardian for Elizabeth Irwin, incompetent, has brought suit in county court to recover the sum of \$1,500 from Thomas Irwin, her son. The petition alleges that in 1886 William A. Irwin, now deceased, and wife, Elizabeth, executed and delivered to the defendant a warranty deed conveying to him their farm property in Cass county, and that in consideration of this conveyance the defendant verbally agreed to pay the sum of \$100 per year toward the support and maintenance of his parents, Mr. and Mrs. Irwin, so long as either of them should live. This, it is claimed, the defendant failed to do, hence the suit. The court granted the defendant ten days time in which to prepare and file a brief.

Church a Quarter Century Old.

WEST POINT, Neb., Nov. 14.—(Special.)—The Congregational church of this place celebrated its silver jubilee during this week. The pastor who founded the church, Rev. George Scott, was present during the whole of the celebration which lasted four days. He was assisted by other former pastors. The exercises were very elaborate and impressive. The church has made a splendid growth during the twenty-five years of its life, and the reunion of this week has cemented the bonds of fellowship among the members. A banquet was spread in the church on the last evening at which eighty-five covers were laid.

Judge Thompson Will Watch Court.

GRAND ISLAND, Neb., Nov. 14.—(Special.)—The official canvass of the vote in the Eleventh judicial district will be attended by at least two of the contesting candidates from this district, as Judge Thompson is not entirely ready to concede the election to Judge Blodgett. According to the friends of the republicans the majority for Hanna in the whole district is 38, while Judge Thompson claims that according to his

figures Hanna has only a majority of five. Quite a number of people, then, will be somewhat upon the anxious seat, until the state board canvasses the returns in the office of the secretary of state on the third Monday after the election.

FINDS DEPOSIT SLIP IN BIBLE

Then He Tells the Paper and the Bank Refuses to Honor It, Is Sued, Loses and Appeals.

PLATTSBROUGH, Neb., Nov. 14.—(Special.)—About twelve years ago George Bolen deposited \$50 in the First National bank in this city, and placed the deposit slip in his bible for safekeeping. Years rolled on, and George neglected to value his bible, and consequently forgot where he had placed the certificate of deposit. One day, recently, he got down his family bible to look up the exact quotation of "Beek and ye shall find," and opening the bible, there lay the lost slip. He sold it to George Amick, who presented it to the cashier of the bank for payment, which was refused. The cashier claimed that the bank held Bolen's note for \$5 and interest, which was equal to the amount of the deposit check. Suit to recover the amount of deposit was at once filed, and was decided against the bank. The case has been appealed to the district court.

ACCEPT HIGHER PHONE RATES

Fremont Grocers and Butchers Agree to Submit to Violation of Charter by Local Company.

FREMONT, Neb., Nov. 14.—(Special.)—The telephone rate complication which resulted yesterday from all the grocers and meat market men ordering their instruments out was settled at a joint meeting of the Retail Grocers association and the Butchers association last evening by consenting to pay the increased rate of \$2.50 per month and withdrawing their petition for the mayor for relief. This morning the Fremont company had the same force of men who were yesterday taking out phones putting the same instruments back. It looks as though no action would be taken against the Fremont company for a violation of the terms of its charter from the city in raising its rates 50 cents per phone above the maximum allowed by the ordinance. The increased rates are under those of the Nebraska company.

KERR GETS ONE CENT DAMAGES

Sues Neighbor on Account of Rubbish Washed on to His Land—Defendant Pays Costs.

BEATRICE, Neb., Nov. 14.—(Special.)—The case of Andrew Kerr against Joseph Mangus, in which suit was brought for \$20 damages by reason of the defendant allowing brush and rubbish to wash over on plaintiff's farm, was tried in the county court yesterday, and a verdict was rendered in favor of plaintiff, giving him one cent damage, the defendant to pay the costs in the case. The case comes from Sherman township, and about thirty witnesses were examined during the trial.

Tries to Effect Settlement.

PLATTSBROUGH, Neb., Nov. 14.—(Special.)—William Baird of Omaha, attorney for the bondholders of the Plattsmouth Gas and Electric light company, came to this city in an attempt to bring about a settlement of the controversy between the

bondholders and this city. His clients are seeking to recover the sum of \$20,000 from this city in payment for the light plant. The case has been pending in the highest court for more than two years. The city claims it never bought the plant, but simply leased it.

ENGINEER IGNORES SIGNALS

Fast Freight Is Derailed at Gilmore and Main Line Track is Torn Up.

PAPILLION, Neb., Nov. 14.—(Special Telegram.)—While running at a speed of nearly thirty miles an hour a fast east bound freight was wrecked at Gilmore Junction today. The signals of the interlocking system were dead against the train but the engineer ignored them and ran into a wide open derail. The engine was only partly derailed, but four cars of fruit, hides and bullion were thrown from the track, rolled over and smashed. The main line eastbound track was torn up for 200 feet. Orders had been issued to the operator in the tower to block the train on account of another train being ahead at standstill and he displayed his signals accordingly. Had he failed in this a bad collision would have resulted. Engineer Norris failed to see the signals or misread them, fatally injuring himself for over six hours. A tramp, name unknown, was reported as injured. The trainmen escaped.

DRAGGED TO DEATH BY HORSE

R. F. Baker, Otee County Pioneer and Wealthy Farmer, Meets Fatal and Fatal Accident.

NEBRASKA CITY, Neb., Nov. 14.—(Special Telegram.)—R. F. Baker, one of the wealthiest farmers and a pioneer settler of Otee county, was fatally injured by a horse near Dunbar, yesterday. Mr. Baker harnessed a horse with the intention of driving to town and before starting led the horse to a watering trough. In some manner the halter rope became entangled and the horse jerked Mr. Baker off his feet and dragged him about 120 feet, breaking his arm in two places and injuring his head. He died this afternoon without having regained consciousness. John Blodgett, a farmer residing east of this city, was also severely injured in a runaway accident at Rockford last evening.

CORN AVERAGES HIGH IN DODGE

Crop Turns Out Better Than Expected, Although Some Did Not Mature—Beets Do Well.

FREMONT, Neb., Nov. 14.—(Special.)—Corn husking is well advanced and, according to reports from the farmers, the crop is turning out better than was expected, although there is quite a little unharvested corn. A few exceptionally good fields of early corn in the Maple creek section are making a good showing, but the average is between thirty and forty. Farmers who had sugar beets in early would have made a good thing this year. The few fields in this section are being dug and, while not going over seven tons to the acre, they will go over 12 per cent in sugar, with co-efficient of purity of above 80 degrees.

KILLS GRAY EAGLE IN SARPY

Hunter Brings Down a Rare Bird of Considerable Size, Which is Sent to Omaha to Be Stuffed.

PAPILLION, Neb., Nov. 14.—(Special.)—While Mart Mella was hunting in the western part of the county yesterday he shot a gray eagle, which he measured seven feet and seven inches from the tip of one wing to the other. These birds are not often seen hereabouts and it is said that never before was one killed in the county. The eagle was sent to Omaha to be stuffed. Game is very plentiful in the bottoms of the Platte this year. Several coons have been killed and not long ago a panther was seen.

New Court House is Nearly Ready.

GRAND ISLAND, Neb., Nov. 14.—(Special.)—The new court house is so near completion that it is expected that by December 1 the contractor will have turned over their part of the work to the city. These include the plumbing, the wiring, the hardware and the jail interior. Contracts for the electric and gas lighting fixtures were let this week and will be put in before February 1. The Hall county jail will this year be under the supervision and county commissioners of the state in their annual convention. The date fixed at present is in December but the local supervisors are making an effort to change the date to the association change the date to February 1 in order that the meeting may be held in the new court house which will be in completion by that time.

Brakeman Has Foot Crushed.

STELLA, Neb., Nov. 14.—(Special Telegram.)—Frank Brown, a brakeman on the Missouri Pacific, met an accident last night when he stepped on the foot of the other one. He jumped off the engine as it passed the depot and collided with a trunk which threw him under the train. One foot was crushed above the ankle and the toes on the other one were mashed. The injured man is about 27 years of age and has been in the employ of a month. He is a son of Engineer William Brown who has been running on the Crete branch of the road for a number of years. His father arrived here this evening on a special train and took his son to the hospital at Atchison.

Rob a Hardware Store.

HARVARD, Neb., Nov. 14.—(Special.)—Last night, thieves entered the hardware store of L. A. Higgins & Company, by breaking the glass in one of the back doors and reaching through and removing the bars and opening the spring lock to the door. They took three or four saws, and five revolvers and a large amount of silverware, shears, razors and other fine hardware, in all amounting to between \$250 and \$300.

Claims Estate for Child.

BUTTE, Mont., Nov. 14.—(Special Telegram.)—Mrs. Jane Bowers of McCook, Neb., has brought suit here in the name of her child for the estate of her former husband, who was killed in a wreck some time ago. Mrs. Bowers was divorced from the deceased and does not claim any share of the estate for herself. Bowers had been married again after his divorce from the plaintiff.

Superior Teachers Pay a Visit.

BEATRICE, Neb., Nov. 14.—(Special.)—Prof. A. A. Reed, principal of the Superior, Neb., schools, accompanied by the following teachers of that place, visited the Beatrice public schools yesterday: Misses Boeserman, Beach, Johnston, Shaughy Hopper, Butler, Amberson, McConaughy and Pierce.

Old Resident Has a Bad Fall.

BEATRICE, Neb., Nov. 14.—(Special.)—Harvey Giddings, an old resident of this county, while unloading cobs at his home in this city, fell from a wagon and fractured his right hip joint. He is 70 years of age, and the injury will confine him to his home for some weeks.

KELLEY, SWAGER & CO.

We Invite Inspection. We Urge Comparison.

Blankets, Comforts

November weather will cause you to think of warmer bedding, and this advertisement is a reminder that we bought our blankets before the general advance in wool, therefore the following values are fully 25 per cent less than prevailing prices:

- 10-4 Piece Blankets—Tan, white and gray, pair, \$1.00, 90c, 75c, 50c and..... 55c
- 11-4 Piece Blankets—Tan, white, fawn and gray, pair, \$1.50, \$1.75, \$1.50, \$1.25, \$1.00 and..... 95c
- WOOL BLANKETS—Fawn, gray, chocolate and black checks, at pair, \$3.75, \$3.50, \$3.00, \$4.75, \$4.25, \$3.75, \$3.50, \$3.25 and..... 2.85
- WOOL BLANKETS—White, pair, \$12.50, \$9.00, \$5.00, \$3.00..... 3.50
- COMFORTS—All our comforts are made from one large sheet of medicated cotton and are almost as soft and fluffy as down. Size 72x72 inches—\$1.00 each. 72x75 inches—\$1.25 each. 72x84 inches—\$1.50 each. \$12.50 inches, \$2.00 and \$2.50 each. WOOL COMFORTS—Covered with fine figured nainsook, size 72x84 inches, at each..... 4.75
- DOWN COMFORTS—In handsome floral designs, with plain satin border to match color of design, size 6x7 feet, each..... 9.00
- All over designs, most any color, size 6 ft. 9 in. x 7 1/4 feet, at each..... \$10
- FLANNELLETTES—Beautiful patterns for kimonas, dressing sacques, waists or wrappers, at yard, 35c and..... 10c
- FRENCH FLANNEL—We are showing a large line, suitable designs for waists or dressing sacques, yard..... 69c
- SKIRTING FLANNEL—White or gray, at yard, \$1.00, 85c, 75c, 60c, 50c, 45c, 35c, 30c and..... 25c

High Grade Novelties in Laces

Point de Venise, Irish Crochet, Cluny and Tenerife Effects

- In separate designs, medallions, bands and insertions, elegant effects, white, cream, ceru and butter, at yard, \$2.25, \$1.50, \$1.25, \$1.00, 80c and..... 75c
- Narrow Venetian Point Galoons—Very neat effects, at yard, 35c, 30c, 25c and..... 10c
- New Wide Lace Collars In Venetian and Irish Point, Point Gage, Crochet, Tenerife, etc.—white, cream and butter, large assortment, excellent values, at each, \$2.50, \$2.50, \$1.75, \$1.25, \$1.00, 75c and..... 65c
- Latest Novelties in Neckwear Tailor made and fancy stocks, in an endless variety of new creations and combinations, including Persian and Hungarian effects, at each, \$1.50 down to \$1.00, 75c, 50c, 35c and..... 25c
- Latest Novelties in Leather Bags A very large assortment direct from the best makers, comprising the very latest shapes and mountings.

Carriage Bags

Black Seal, Colored Seal Lion or Walrus, silk lined, at each, \$6.00, \$5.00, \$4.00, \$3.00, \$2.50, \$1.50 and..... \$1

Automobile Bags

In Black Seal, Colored Walrus, Sea Lion and Baftan goat, gilt and oxidized frames, silk lined, fitted with coin purse and card case, plain and twisted leather handles, at each, \$12.00, \$8.00, \$5.00, \$3.00, \$2.25, \$1.50 and..... 1.25

Neatski Bags in Japanese leather

And Japanese Damask Cloths and Colored Walrus, with Japanese mountings, at each, \$15.00, down to \$7.50, \$5.00, \$4.50, \$3.50 and..... 2.25

Children's Wrist Bags

At each—\$1.00, 75c, 50c and..... 25c

New Crush Leather Belts

All the rage in the large eastern cities—in white, black, red, blue, tan, at each—\$3.00, \$2.75, \$1.50, \$1.00 and..... 75c

Thanksgiving Linen

Our stock consists of the very best Irish, Scotch and German makes, and the following specials should commend them to your notice: PATTERN TABLE CLOTHS—In fine Irish linen. Size 2 1/2 yards—\$2.15. 2 1/4 yards—\$2.00. 2 1/2 yards—\$2.50. Napkins to match—\$3.00 dozen. PATTERN TABLE CLOTHS—In order to introduce them the manufacturer makes a deep cut, which enables us to retail them at less than regular cost. 2 1/2 yards, worth \$5.00, at \$2.95. 2 1/4 yards, worth \$4.50, at \$2.95. 2 1/2 yards, worth \$3.50, at \$2.55. 2 1/4 yards, worth \$3.00, at \$2.55. 2 1/2 yards, worth \$2.50, at \$1.75. 2 1/4 yards, worth \$2.00, at \$1.50. 2 1/2 yards, worth \$1.50, at \$1.10 each. CLINY CENTER PIECES AND DOLLIES—From 34-inch size down to 6-inch—prices each, \$5.00, \$7.50, \$6.00, \$5.50, \$5.00, \$4.75, \$4.00, \$3.75, \$3.00, \$2.65, \$1.85, \$1.25. 1.00, 75c, 60c and..... 35c

LANT SALSBURY CONFESSES

Grand Rapids Water Scandal Promises Sensational Developments. GIVES NAMES OF ALL ASSOCIATES

Details Are Held Secret and Arrests of Several Aldermen and City Officials Are Expected at Once.

GRAND RAPIDS, Mich., Nov. 14.—(Special Telegram.)—Lant K. Salsbury, former city attorney of Grand Rapids, who was convicted of accepting a bribe of \$5,000 in connection with the voting of a franchise for a system of water works in this city in 1901-02, had made a complete confession, giving the name of every man associated with him in the scandal. Salsbury appeared in the superior court today for sentence, but a request of the public prosecutor sentence was deferred until December 14 or later, in order that Salsbury may appear as a witness against the men who are to be arrested for complicity in the bribe taking. Details of Salsbury's confession are kept a close secret in order that all arrests may be made before any of the implicated parties take flight. The arrest of several aldermen and former city officials is expected at once. Assistant Prosecutor Ward, in refusing to give out at present the details of Salsbury's confession or the names of the persons implicated therein, said: "At present the confession is a part of the case of the state against any person or persons against whom proceedings may be begun. It could not possibly be given out at this time without seriously injuring the case."

PROMOTES HEALTH

Jaeger PURE WOOL UNDERWEAR

Of all "class" underwear in the market today, JAEGER enjoys the proud distinction of being at once the oldest and the latest. It came THE FIRST into PUBLICITY; it remains THE FIRST in POPULARITY. ITS QUARTER OF A CENTURY'S SUCCESS ATTESTS THIS. ITS EVER EXPANDING SUCCESS PROVES IT.

ALBERT CAHN

Men's Furnisher State Agent 219 S. 14th St. OMAHA. SHIRTS MADE TO MEASURE.

FORECAST OF THE WEATHER

Promise of Rain or Snow Sunday with Monday Fair in Nebraska. WASHINGTON, Nov. 14.—Forecast: For Nebraska and Kansas—Rain or snow Sunday; fair and colder Monday. For Iowa and Missouri—Increasing cloudiness Sunday, followed by rain; clearing and colder Monday. For Colorado and Wyoming—Rain or snow Sunday; fair and colder Monday. For North and South Dakota—Snow Sunday and Sunday night; fair and colder Monday.

OFFICE OF THE WEATHER BUREAU

OMAHA, Nov. 14.—Official record of temperature and precipitation compared with the corresponding day of the last three years: 1902 1901 1900. Maximum temperature..... 45 47 45 43. Minimum temperature..... 32 32 31 28. Mean temperature..... 40 40 38 33. Precipitation..... .90 .49 .50 .50. Record of temperature and precipitation at Omaha for this day and since March 1, 1902: Normal temperature..... 36. Excess for the day..... 4. Total excess since March 1..... 147. Normal precipitation..... .28 inch. Deficiency for the day..... .28 inch. Precipitation since March 1..... .31 inch. Excess since March 1..... .03 inch. Deficiency for cor. period, 1902..... 2.22 inches. Deficiency for cor. period, 1901..... 1.34 inches.

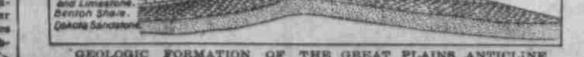
Oil and Gas in the Great Plains.



LOCATION OF THE ANTICLINE.

Is the central great plains region underlain with oil and gas? There are geologic indications that conditions within an area 250 miles in length, varying in width from two to six miles, and comprised within the three states, Kansas, Nebraska and South Dakota, are similar to those in which oil and gas have been found. In investigating the geologic structure of the central plains region Mr. N. H. Darton of the United States Geological Survey has discovered an uplift, or arch, in the earth's crust which may prove of greatest economic importance. Owing to the thick covering of clays and sands in the plains the structure of the underlying rocks is difficult to ascertain, but from a careful survey of exposures in western Kansas, the Republican valley in Nebraska, and the southwestern corner of South Dakota, and the consideration of much new evidence there by well borings in the last few years, Mr. Darton has demonstrated the existence of a narrow arch, or saddle back, of considerable magnitude, extending from the vicinity of Lenora, Kan., through Norton county, across Furnas, Frontier, Lincoln and other counties in Nebraska, and the white river, where this river crosses the Nebraska and South Dakota line. This uplift is probably due to the slight shrinkage of the earth's crust and the extensive series of cretaceous and underlying rocks here involved. The investigations of the bureau in the great Appalachian oil field, covering the operations of many years, have placed the anticline theory of the accumulation of oil and gas on a substantial basis. While such accumulations have been found in synclines, normal like that at Florence, Colo., the practical developments in areas of anticlines or uplifts have resulted in vast extension of known fields, and the application of the theory has been followed by numerous discoveries of other productive territories. Should future developments in the central great plains area prove the soundness of the anticline theory, it would result in incalculable benefit to that region. The country in which the anticline puts out is today thinly populated and for the most part given over to stock grazing. It lies just west of the one hundredth meridian, and is properly classed as belonging to the arid region. With the discovery of oil and gas, a great impetus would be given to agricultural development, as the soil is fertile, of great depth, and as productive as that of any section of the country, when irrigated. The surface waters are inadequate and uncertain, and, for this reason, this section has not developed with the same rapidity as others more favored with perennial streams. A great part of the great plains region is known to be underlain with water bearing gravels at no great depth from the surface, which, when tapped, by means of properly constructed water supply, by utilizing the cheap fuel which would be provided in the event of discovering oil and gas, vast areas of this region could be irrigated from waters obtained by pumping plants. Mr. Darton's discovery will undoubtedly attract the attention of investors who are seeking oil and gas in parts of the United States. A report now in preparation on the geology of the great plains, by Mr. Darton, which is to be issued from the geological survey in the course of a few months, will be of great interest and value to those who are desirous of more knowledge concerning the geologic structure and resources of that region.

MCCOOK Cambridge.



GEOLOGIC FORMATION OF THE GREAT PLAINS ANTICLINE.