

The Sioux County Journal.

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L. J. Simmons, Editor.

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THURSDAY, FEBRUARY 14, 1895.

New York had a blizzard to contend with last week.

The winter seems to be unusually severe in many places. For the first time in twenty years the Arkansas river is frozen solid.

Terrible weather has prevailed on the coast of late. This following the Elbe disaster has caused great anxiety when any vessel became over-due.

Hilton, the ex-state oil inspector, flatly refuses to turn over to the state treasurer the balance due the state. He evidently does not lack for gall.

Debs receives a salary of \$13,000 a year. What he has ever done in the interest of the labor organizations to earn that salary is not apparent to outsiders.

Some steps should be taken for a redacting of the state for legislative purposes. The present apportionment is not at all fair or just to the northwest part of the state.

Senator Stewart has introduced a resolution for an appropriation for the sinking of artesian test wells in the western part of the state. Resolutions do not count for much in such cases. A good bill is what is wanted.

The state fair for 1895 will be held at Omaha September 13th to 21st. There should be an unusually strong effort made to have it a success for a good state fair will do much to help overcome the injury which the results of the bad year of 1894 did the state.

A pop paper of Lincoln kicks because fraternal societies to which Barrett Scott belonged passed resolutions of regret after his death. It will now be in order for some sheet representing that party to condemn Mrs. Scott for mourning the murder of her husband.

It would be a good plan if the brand law was so amended that when a man owning a certain brand left the country and took all the stock bearing that brand with him, the same could be cancelled by giving proper notice and another be allowed to record and use the same brand.

Senator Stewart appeared in his favorite role—that of a scold—a few days ago. The object of his curtain lecture was the relief commission. If that commission does not do any more for the benefit of those whose interests they have in hand than does Stewart for the interests of his district they ought to be called to account.

Thirty-two counties of Kansas are on the list for supplies from the kind-hearted who have enough and to spare. Less has been said about Kansas than of this state and as a result a good many have got the idea that Nebraska is the most poverty stricken state in the union, but with the starting up of the sugar industry Nebraska will be all right.

Since it is known to be a fact that Nebraska has no large bodies of standing water, if every farmer owning 100 acres or more of land was patriotic enough to make and maintain a reservoir of from one to five acres, it would in a short time so affect the climate and humidity that the dry hot winds from the south would either have no effect on our crops or they would be a thing of the past.—Nebraska Farmer.

On the subject of irrigation, two bills have been introduced by Senator Akers which represent the work of the various meetings and organizations which have been effected during the past two years. The one provides for the organization of irrigation districts and the other provides for the appropriating of the waters of the streams of the state for the purposes of agriculture. The writer has read both of the bills in the forms as they were submitted to the proper committee. They seem to cover the ground in a pretty complete manner and will no doubt become laws, with some minor amendments and alterations which are needed to make them good.

The reports from Lincoln to the Chicago press in regard to the storm of last week was, as usual, detrimental to the northwest part of the state. Why the representatives of the eastern press will continue to make misrepresentations about the northwest part of the state is a mystery. The better the newer portions of the state are shown to be the better it will be for the entire state and if some way could be devised to muzzle the fools who cannot tell the truth about it a great blessing would result. The fact is that this part of the state was not visited by an severe a storm as was that locality from which the report was made.

Asphalt or Coal Tar Reservoirs.

Nebraska Farmer. The Dumpster Manufacturing Co., of Beatrice, is paying considerable attention to irrigation, especially where wind-mills and reservoirs are used, and the following on asphalt or coal tar reservoirs, with directions for preparing the tar and estimates of cost of different sizes, is given by them:

After selecting the best location for the reservoir, run over the top soil, using it for the embankment, making the bank 8 to 12 feet wide at the bottom and 3 to 4 feet at the top, pack down as solid as possible, leaving the surface smooth. It is better to settle for a day or two, then roll and sweep the inner surface smooth, apply a heavy coat of asphalt or coal tar, good and hot, so as to fill the pores. Cover this before it hardens with a light coating of sand. After this finishes, then apply a second and lighter coat in the same manner. Cover this with a light coating of sand. This will insure you a good, substantial reservoir, which may be built round or square with smooth, flat bottom.

In preparing the tar ball down common coal tar, such as is refuse from gas works, until it becomes hard when cool; when boiling, mix with it about fifty pounds of black pitch (your hardware merchant will order it for you) to each barrel of tar. All you have to do is to get the tar boiled down to the right consistency—you can tell when it is right by testing, cooling a small bit of it. Asphaltum, such as is found in many parts of the west, will do even better than tar, and needs no preparation other than melting before application.

Estimates of cost given below are based on 200 per cubic yard of worth in the embankment, and on \$6 per barrel cost of tar and 60 per pound cost of pitch. One barrel of tar (44 gal.) and 40 pounds of pitch will cover about 300 to 400 square feet of surface.

Reservoir, 27 feet diameter, bottom; 35 feet top, four feet deep; about 25,000 gallons capacity; will need for construction, 5 barrels tar, 150 pounds pitch, and about 130 cubic yards of embankment. Estimated cost, \$80.

Reservoir, diameter of bottom; 40 feet; top, 48 feet; height, 4 feet; capacity about 58,000 gallons; will require for construction 9 barrels of tar, 450 pounds pitch, about 180 yards embankment. Estimate of cost \$135.00.

Reservoir, 57 feet bottom diameter, 65 feet top, 4 feet deep, capacity about 98,000 gallons, 14 barrels of tar, 700 pounds pitch, about 250 yards embankment. Estimate of cost \$165.00.

Reservoir, 85 feet bottom diameter, 103 feet top, 4 feet deep, capacity 272,000 gallons, will require 30 barrels tar, 1,500 pounds pitch, about 400 yards embankment. Cost about \$300.00.

Local Bounties on Sugar!

Chicago Inter Ocean. The committee on manufactures and commerce of the House of Representatives of Nebraska has presented a bill in which the house has concurred. The bill is for a bounty of five-eighths of a cent per pound on all the sugar produced from beet roots or sorghum in factories already established, and for an additional bounty of three-eighths of a cent upon the first year's output of new factories. It is believed that the bill will pass the senate and be approved by the governor. It may be remembered that it was by bounties granted by the state that the salt industry of Michigan was kept alive during a disastrous era. It may be well if Louisiana grant a state bounty to cane sugar.

No industry subject to competition with the products of a like industry in a country more favored by soil, climate, the advantage of cheaper or more skilled labor, or by bounties or by protective tariffs ever has grown into importance without the aid of bounties or tariffs, or of both. By such aids obstacles apparently insurmountable have been overcome. By such aids Great Britain wrested supremacy in the woolen trade from Spain. By such aids Germany became a great sugar-producing country. By such aids the United States has become a great producer of iron and steel. By such aids it was becoming a great producer of sugar, its output of this product having more than doubled itself during the first, and only year of the full operation of the McKinley system of protection by bounties and by tariffs. Had this system continued in operation for five years there is no reasonable ground for doubting that we should have been a sugar-exporting nation at the time of its abrogation.

The movement in Nebraska is wisely planned. The sugar industries of the United States will die if they are not protected. If they are protected, and especially if they are protected sufficiently by bounties, it is more than probable that in a few years they not only will be self-supporting, but will be large contributors to the wealth of the nation.

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PATENTS.

NOTICE TO INVENTORS. There never was a time in the history of our country when the demand for inventions and improvements in the arts and sciences generally was so great as now. The conveniences of mankind in the factory and workshop, the household, on the farm, and in official life, require continual additions to the appliances and implements of each in order to save labor, time and expense. The political change in the administration of government does not affect the progress of the American inventor, who being on the alert, and ready to perceive the existing deficiencies, does not permit the affairs of the government to deter him from quickly conceiving the remedy to overcome existing discrepancies. To great care can not be exercised in choosing a competent and skillful attorney to prepare and prosecute an application for patent. Valuable interests have been lost and destroyed in innumerable instances by the employment of incompetent counsel, and especially in this class of applications to inventors who adopt the "no patent, no pay" system. Inventors who entrust their business to this class of attorneys do so at lamentable loss, as the breadth and strength of the patent is never considered in view of a quick and easy sale. The patent lawyer, who is not a lawyer, is a mere speculator, and his fee is a large one. The patent lawyer, who is a lawyer, is a mere speculator, and his fee is a large one. The patent lawyer, who is a lawyer, is a mere speculator, and his fee is a large one.

Just From the Press.

A very attractive publication has just been issued by the passenger department of the Burlington Route. It bears the title "The Over-Northwest" and describes in a most interesting and readable fashion those portions of northern Wyoming and the Black Hills of South Dakota which are reached by this company's lines. The scenery, towns, mines, people and industries of these two remarkable sections of country are treated with absolute fidelity. 200 pages with illustrations, sent on receipt of 10 cents in stamps. J. FRANCES, G. P. & T. A., Omaha, Nebraska.

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Sioux county is the northwest county of Nebraska. It is about thirty miles east and west by about seventy miles north and south and contains

OVER 1,300,000 ACRES of land. There are more bright, sparkling, small streams in the county than can be found in the same area elsewhere in the state. It has more pine timber in it than all the rest of the state combined. Its grasses are the richest and most nutritious known so that for stock-growing it is unequalled.

The soil varies from a heavy clay to a light sandy loam and is capable of producing excellent crops. The principal crops are small grain and vegetables, although good corn is grown in the valleys. The wheat, oats, rye and barley are all of unusually fine quality and command the highest market prices.

The water is pure and refreshing and is found in abundance in all parts of the county. The county is practically out of debt and has over forty-five miles of railroad within its borders, has a good brick court house and the necessary fixtures for running the county and there has never been one dollar of county bonds issued and hence taxes will be low.

The Fremont, Eikhorn & Missouri Valley railroad crosses Sioux county from east to west and the B. & M. has about fifteen miles of its line in the northeast part of the county. The climate is more pleasant than that of the eastern portion of Nebraska. There is still

OVER 800,000 ACRES of land in Sioux county yet open to homestead entry. It is better land and more desirably located than that for which such rushes are made on the opening of a reservation. There is no railroad land in the county and for that reason its settlement has been slow for no special effort to get settlers was made, as was done in the early days of the settlement of the eastern part of the state.

Good cleared land can be purchased at reasonable rates with government land adjoining so that a person who wants more than one quarter section can obtain it if he has a little means. There are about 2,500 people in the county and there is room for thousands more.

Harrison is the county seat and is situated on the F. E. & M. V. railroad, and is as good a town as the thinly settled country demands. School houses and churches are provided in almost every settlement and are kept up with the times.

All who desire to get a homestead or buy land cheap are invited to come and see the country for themselves and judge of its merits. Homesteads will not be obtainable much longer and if you want to use your right and get 160 acres of land from Uncle Sam free it is time you were about it.

Prizes on Patents.

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NOT SO HARD AS IT SEEMS. The idea of being able to invent something strikes most people as being very difficult; this delusion the Company wishes to dispel. It is the simple things and small inventions that make the greatest amount of money, and the complex ones are seldom profitable. Almost everybody, at some time or another, conceives an idea, which, if patented, would probably be worth a life's fortune. Unfortunately such ideas are usually dismissed without thought. The simple inventions like the car window which could be easily slid up and down without breaking the pane, the gun back, the auto park, the collar button, the nut lock, the bottle stopper, the snow shovel, are things that almost everyone sees some way of improving upon, and it is these kind of inventions that bring the greatest returns to the author.

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