

By F. M. KIMMELL.

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ALL HOME PRINT.

WINDMILL IRRIGATION.

The current number of the Irrigation Age contains a valuable article on "Irrigation by the Use of Windmills" from the pen of B. A. McAllester, land commissioner of the Union Pacific railroad. His attention was drawn to this method of supplying the deficiencies of nature in the semi-arid region while attending the irrigation convention held at Salina, Kansas, in September last. Believing that there was something in the method worth investigation, he immediately secured reports from all the stations and land agents of the Union Pacific in the western counties of Kansas and Nebraska and the eastern counties of Wyoming and Colorado.

From these sources he secured the names of over 200 farmers who are successfully irrigating their lands by means of windmills, and from these men he proceeded to derive close and accurate information about their methods and the results reached. He gives a record of the amount of water raised, the amount required to supplement the average rain fall in the extreme western counties of Kansas and Nebraska, and concludes that a few hundred dollars invested in a reservoir, a well and windmill will irrigate from ten to fifteen acres, with no expense for operation and a very slight outlay for repairs. His conclusions are stated in these paragraphs:

It is my opinion that the future irrigation of the plains country is to be largely carried on by means of windmill pumps. Each man can, independent of his neighbors, or any irrigation company, and at a cost not exceeding \$250, irrigate from ten to fifteen acres of his quarter section, and ten to fifteen acres properly irrigated and carefully cultivated is as much as any one man ought to undertake to cultivate under irrigation. On this irrigated ground he can raise those crops which will bring in the best financial returns, and can thereby insure himself and his family sufficient income to more than support them independent of the fluctuations of the natural rain fall. On the remaining portion of his 160 acres he can raise by dry farming, the same crops in character and amount as he is now getting, and two years out of three he is bound to get magnificent crops from the non-irrigated land.

I am further convinced that if ten acres out of each quarter section of the plains country were irrigated the resultant evaporation from the necessary reservoirs, and from the irrigated land, would so disturb the existing climatic conditions that the long droughts which are now liable to be experienced would be permanently broken up, and that the average annual rainfall instead of coming at frequent periods and in heavy, driving storms, always causing more or less damage, would be obtained at frequent intervals, and in the shape of gentle rains, which would do the greatest amount of good. The result would be that from the non-irrigated land would be obtained each and every year fully as good crops as were obtained in western Kansas and Nebraska in 1891 and 1892.

There is a great field for windmill irrigation in the western counties of this state, and we look forward with confidence to a time when every farmer in the west will provide himself with the means of fighting the drought on at least one corner of his farm, and thus save himself from a crop failure, no matter how unfavorable the season may be.—Journal.

THE Culbertson Era very feelingly warns its readers against its poet.

(PUBLISHED BY AUTHORITY.) Commissioners' Proceedings. Indianola, Nebraska, January 12th, 1894. Board met pursuant to adjournment. Full board present. On motion the following claims were audited and allowed: J. S. Modrell, hauling lumber and work on bridge, \$ 5.25 J. S. Modrell, annual settlement district No. 7, 21.00 Patrick Cashen, hauling lumber and work on bridge, 3.00 Board continued examination of the county treasurer's accounts during the day. On motion board adjourned to meet January 12th, 1894. Attest: SAMUEL YOUNG, Chairman. Geo. W. Roper, Clerk.

Board met pursuant to adjournment. Full board present. On motion the following claims were audited and allowed: O. Woods, work on roads, \$ 3.00 T. S. Graham, work on roads, 4.50 H. N. Graham, work on roads, 6.00 S. S. Graham, transportation for pauper (Barber), 16.87 S. S. Graham, assisting commissioners, 34.20 F. M. Kimmell, bar dockets, etc., 27.75 F. M. Kimmell, blanks, 6.00 J. M. Short, meals for lashed jury, 6.00 Melvin H. Young, digging grave for T. J. Malone, 1.50 W. O. Bond, clerk's fees in state versus Williams, 13.53 E. B. Banks, sheriff's fees, state versus Williams, 5.75 Charles Robertson, witness fee in state versus Williams, 5.20 Frank Kollogg, witness fee in state versus Williams, 5.00 Ed. Ruby, witness fee in state versus Williams, 5.40 Carl Kube, witness fee in state versus Williams, 5.20 Joseph Bose, witness fee in state versus Williams, 5.00 Mark Durham, witness fee in state versus Williams, 5.30 James Wingate, witness fee in state versus Williams, 5.30 Columbus Wise, witness fee in state versus Williams, 5.20 Due notice having been given that the board would on this day receive sealed bids for publishing the commissioners' proceedings, legal notices, and delinquent tax list, during the year 1894. The following bids were received and opened: Bid by Indianola Courier: For printing delinquent tax list one-half the legal rate. For printing legal notices one-half rate allowed by law. For publishing commissioners' proceedings one-half legal rate. By Independent of Indianola: For publishing commissioners' proceedings and legal notices free, provided the Independent is designated as the paper in which to publish the delinquent tax list for this year. By Independent Enterprise, McCook: For publishing commissioners' proceedings and all legal notices, free of cost. For publishing tax list, legal rate. By Times-Democrat, McCook: For publishing commissioners' proceedings, legal notices and delinquent tax list, at the rate allowed by law—less 40 per cent. By McCook Tribune: For publishing delinquent tax list one-third legal rate. For publishing commissioners' proceedings one-half cent a line. For publishing legal notices one cent a line. On motion further consideration of bids laid over until January 17th, 1894. Board adjourned to meet January 16th, 1894. Attest: SAMUEL YOUNG, Chairman. Geo. W. Roper, Clerk.

Board met pursuant to adjournment. Present Samuel Young and J. M. Thomas, commissioners, and Geo. W. Roper, clerk. On motion the following claim was audited and allowed: James Boatman, annual settlement district No. 35, \$ 19.00 Board continued examination of treasurer's accounts during the day. Board adjourned to meet January 17th, 1894. Attest: SAMUEL YOUNG, Chairman. Geo. W. Roper, Clerk.

Board met pursuant to adjournment. Full board present. On motion the following claim was audited and allowed: Ed. Ruby, work on road, \$ 6.00 In the matter of printing commissioners' proceedings, legal notices and tax list during year 1894. The board having given each bid due consideration find that the bid of THE MCCOOK TRIBUNE to be the lowest and best bid, and on motion the contract for printing the commissioners' proceedings, legal notices and delinquent tax list, during the year 1894, is awarded to F. M. Kimmell of THE MCCOOK TRIBUNE at the prices bid, viz: Publishing delinquent tax list one-third the legal rate. Printing the commissioners' proceedings one-half cent a line. Printing legal notices for county one cent a line. Mr. Thomas voting no. Board continued examination of treasurer's accounts during the day. Board adjourned to meet January 18th, 1894. Attest: SAMUEL YOUNG, Chairman. Geo. W. Roper, Clerk.

Board met pursuant to adjournment. Full board present. On motion the following official was appointed to fill vacancy: J. F. Rollins, overseer road district No. 10. Petition of John Payton, John R. Young et al. asking for the location of a public road read and considered. The board find that all owners of land along the line of proposed road have given consent in writing thereon, on motion same is granted establishing a public road as follows: Commencing at the southeast corner of section 28, township 3, range 26, thence west on the section line to the northwest corner section 34, thence north to the northeast corner of section 28, terminating thereat, all in township 3, range 26. On motion the following claims were audited and allowed: Q. H. Miles, work on road, \$ 2.50 Sam McClung, work on road, 6.00 N. D. Wyckoff, work on road, 5.00 Ira McClung, work on road, 8.00 F. F. Eno, hardware for bridges, 7.00 Harrison & Harrison, merchandise for pauper E. G. Smith, 5.00 E. J. Mitchell, stationery for treasurer and sheriff, 10.30 John Newberry, work on road, 5.00 Eli Harger, work on road, 6.00 Pade & Son, coffin for child of Henry Walker, 7.50 L. A. Admire, board for Samuel Sloan, 3.00 C. L. Miller, board for Ben Stoddard, 1.70 S. E. Hager & Co., coal for county, 44.80 J. T. Armstrong, superintendent, clothing for C. McCroskey, 20.46

L. W. McConnell & Co., medicine for F. W. Bennett, 3.25 P. A. Brower, medicine for E. G. Smith, 3.15 P. A. Brower, rent of building for election, etc., 4.40 T. F. Welborn & Son, stove etc. for court house, 19.90 J. C. Shumaker, oil and glass for court room, 5.20 W. O. Bond, clerk of the district court, postage and express, 7.00 Indianola Hardware and Implement Co., hardware for bridges, 23.37 O. D. Mosher, stove for treasurer, 15.25 N. J. Johnson, work on bridge, 8.25 C. R. Newberry, work on roads, 5.00 W. S. Fitch, annual settlement district No. 9 for the year 1891, 10.00 W. S. Fitch, annual settlement district No. 9 for the year 1892, 10.00 Andy Barber, annual settlement of district No. 28 for 1893, 32.50 Adelbert West, annual settlement district No. 37 for 1893, 15.00 J. W. Dutcher, annual settlement of district No. 20 for the year 1893, 27.29 T. J. Ruggles, annual settlement of district No. 10 for the year 1893, 13.90 Joseph Monard, merchandise for paupers, 57.30 P. Walsh, work on roads, 12.00 S. M. Cochran & Co., bridge material, 16.13 W. O. Bond, drawing jury etc., 3.00 W. O. Bond, fee in case of Matie Chenery, insane, 5.75 F. W. Eskay, fee in case of Matie Chenery, insane, 8.00 J. H. Berge, fee in case of Matie Chenery, insane, 3.00 W. T. Henton, cash advanced, same, 40.00 On county bridge fund levy 1893 as follows: Barnett Lumber Co., bridge material, \$134.32 S. E. Hager & Co., bridge material, 89.80 Barnett Lumber Co., bridge material, 139.05 Barnett Lumber Co., bridge material, 9.25 W. C. Bullard & Co., bridge material, 127.85 J. A. Cass, bridge material, 533.19 On motion board adjourned to meet January 19th, 1894. Attest: SAMUEL YOUNG, Chairman. Geo. W. Roper, County Clerk.

Board of county commissioners met pursuant to adjournment. Present Samuel Young, C. J. Ryan and J. M. Thomas, commissioners, and Geo. W. Roper, county clerk. Minutes of previous meeting read and approved. On motion following claims were allowed and warrants drawn for same on the county bridge fund levy 1893: George Younger, bridge work, \$ 7.00 Board continued examination of treasurer's accounts during the day. On motion board adjourned to meet January 20th, 1894. Attest: SAMUEL YOUNG, Chairman. Geo. W. Roper, County Clerk.

Board of county commissioners met pursuant to adjournment. Present Samuel Young, C. J. Ryan and J. M. Thomas, commissioners, and Geo. W. Roper, county clerk. Minutes of previous meeting read and approved. The following county official was appointed and his official bond examined and approved: Andy Barber, county surveyor. The following claims were allowed and warrants drawn on 1893 levy county general fund: State Journal Co., stationery, \$ 57.20 Jos. Spotts, work on bridges, 5.00 W. T. Henton, tax erroneously paid, 5.70 J. W. Torney, repairs on plow and serapers, 1.05 Matthias Stadler, work on road, 30.00 Mrs. S. Young, board of Lizzie Craig, 7.00 Frank Schmoltd, two plow beams, 5.00 Board continued examination of treasurer's accounts during the day. On motion board adjourned to meet January 22d, 1894. Attest: SAMUEL YOUNG, Chairman. Geo. W. Roper, County Clerk.

GROVER'S team does not seem to be growing any more tractable.

UNCLE GROVER has sent in to the senate the name of Judge Peckham for the associate supreme judgeship. It is not thought he will meet with Hornblower's fate.

CAMBRIDGE is preparing to put on a whole lot of style in the spring: Water works and electric lights are among the contemplated frills. Cambridge is the best town of its weight in the valley. Good luck to her and her enterprising, genial people.

It only required four rounds for the Hon. James Corbett, U. S. A., to polish off the Hon. Charles Mitchell, B. I., with neatness and dispatch. Twenty thousand people witnessed the brutal affair, and Governor Mitchell's puissant militia, without arms, gallantly encircled the enthusiastic multitude.

TYRONE NEWS.

The chinook winds are said to be the cause of our warm winter.

Rev. Carmichael preached last Sabbath, and presided at the S. S. election.

Frank Moore was re-elected Supt.; Mrs. Richmond, Ass't Supt.; Wm. Crosby, Secretary; August Broman, Treasurer, and Louie Walton, Librarian.

The cross-roads literary society will debate the question, Resolved: "That a man should not be required to pay tax on any more than the assessed value of his property, less his indebtedness."

18 pounds of granulated sugar for One Dollar at Knipple's.

Established 1886.

Strictly One Price.

THE Famous Clothing Co.

We Continue this Our Fifteenth

SEMI-ANNUAL CLEARING SALE

WINTER GOODS.

Liberal Discounts in Prices to Make Them Move Rapidly.

McCook, Nebraska, Jan. 4, 1893. JONAS ENGEL, Manager.

The Lincoln Call, always one of the very foremost of newspaper dailies, continues to improve. It has recently added Walt Mason, the best known of western humorists and authors, to its staff. Its condensation of the news of the world and its "Fresh Nebraska News" are features of especial excellence, and these, with its increased Associated Press reports, makes it in every sense a complete newspaper. Its price, \$5 per year, is little over half that of the other dailies, and it is not to be wondered at that its list is making a wonderful growth. The Weekly Call is \$1 a year.

STATEMENT OF THE CONDITION OF THE MCCOOK CO-OPERATIVE BUILDING AND SAVINGS ASSOCIATION OF MCCOOK, NEB., on the 30th day of December, 1893. ASSETS: First Mortgage Loans, \$48,250.58; Loans secured by Stock of this Association, 1,350.00; Real Estate, 1,920.93; Insurance and Taxes Paid, 133.15; Cash with Treasurer, 1,525.49; TOTAL, \$53,180.15. LIABILITIES: Capital Stock, paid up, \$49,591.57; Premiums Unearned, 3,120.51; Dues Prepaid, 12.50; Contingent Fund, 455.57; TOTAL, \$53,180.15.

STATE OF NEBRASKA, Red Willow County, ss. J. G. W. KAIME, Secretary of the above named Association, do solemnly swear that the foregoing Statement of the condition of said Association, is true and correct to the best of my knowledge and belief. G. W. KAIME, Secretary. Subscribed and sworn to before me this 10th day of January, 1894. A. C. EBERT, Notary Public. My commission expires Aug. 2, 1898. Approved: FRANK HARRIS, T. B. CAMPBELL, J. A. WILCOX, Directors. J. A. GUNN, PHYSICIAN AND SURGEON MCCOOK, NEBRASKA. OFFICE—Front rooms over Lowman & Son's store. RESIDENCE—402, McFarland st., two blocks north of McEntee hotel. Prompt attention to all calls.

Stockholders' Meeting. Notice is hereby given that the annual meeting of the stockholders of The McCook Irrigation and Water Power Co. will be held at the secretary's office in McCook on Wednesday, Feb. 7th, 1894, for the purpose of electing directors and transacting such other business as may come before said meeting. McCook, Neb., Jan. 30, 1894. CHARLES A. HANNA, President. CHARLES H. MEEKER, Secretary. 33-5ts.

PATENTS. CAN I OBTAIN A PATENT? For a prompt answer and an honest opinion, write to MUNN & CO., who have had nearly fifty years' experience in the patent business. Communications strictly confidential. A Handbook of Information concerning Patents and how to obtain them sent free. Also a catalogue of mechanical and scientific books sent free. Patents taken through Munn & Co. receive special notice in the Scientific American, and thus are brought widely before the public without cost to the inventor. This splendid paper, largest circulation of any scientific work in the world, \$3 a year. Sample copies sent free. Building Edition, monthly, \$2.50 a year. Single copies, 25 cents. Every number contains beautiful plates, in colors, and photographs of new houses, with plans, enabling builders to show the latest designs and secure contracts. Address MUNN & CO., NEW YORK, 361 BROADWAY.

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McCook Transfer Line. Bus, Baggage and Express. ONLY FURNITURE VAN in the City. Leave orders for Bus Calls at Commercial Hotel or our office opposite depot.

The Drivers Journal. Largest, Brightest, Cheapest and Best. Send For Free Sample Copy. The leading live stock newspaper and market reporter of the west. A paper for stock raisers, farmers, fine stock breeders and grain dealers. Very latest and correct market reports by telegraph from all the principal stock markets. Daily, \$4.00 per year. Semi-Weekly, 2.00 per year. Weekly, 1.50 per year. DROVERS JOURNAL, Union Stock Yards, South Omaha.

WANTED SALESMEN to represent us in the sale of our well known Hardy and choice Nursery Stock for the North and West. Local or traveling. Work every day in the year. Special inducements to beginners. Stock guaranteed. Good pay weekly. Apply quick, stating age, and obtain good territory. ST. PAUL NURSERY CO., Dec. 1-sts. St. Paul, Minn.

JOHN A. REED, Veterinary Surgeon. McCOOK, NEBRASKA. Horse Dentistry a Specialty. Castrating and Spaying. Leave orders at residence over Strasser's Liquor Store.

Dr. W. MOORE, PHYSICIAN AND SURGEON (LATE OF DENVER, COLO.). TRENTON, NEBRASKA. Day or night calls, any place in the valley, promptly attended to. Office—Dr. Thomas drug store.

W. V. GAGE, Physician & Surgeon, McCOOK, NEBRASKA. OFFICE HOURS: 9 to 11 a.m., 2 to 5 and 7 to 9, p.m. Rooms over First National bank. Night calls answered at office.

R. A. COLE, LEADING MERCHANT - TAILOR OF MCCOOK. Has just received his fall and winter stock of Cloths and Trimmings which will be made up as reasonable as possible. Shop first door west of Barnett Lumber Co.'s office, on Dennison street.