The Sioux County Journal.

[ESTABLISHED 1888.] OPPECIAL COUNTY PAPER. BIST PAPER IN THE COUNTY. HAS THE LARGEST CIRCULATION OF ANY PAPER PUBLISHED IN SHOUX COUNTY.

Subscription Price, \$2.00 L. J. Simmons, - - Editor. tered at the Harrison post office as

THURSDAY, SEPT. 10, 1891.

Smudges for Corn Fields.

The lown Homestead. Dakota farmers, according to published T. L. Norval. Associate Judge, Seware accounts, have this year been making an increased use of smudges for their wheat selds, as a protection against frost. The fact presents a useful suggestion in the corn belt, where a danger is just now the coin section of the co thinks that the corn crop is made is a southworth supt Public Instruction greatly mistaken. A full month will be greatly mistaken. A full month will be required to mature it, and in the present A. H. Dew Surveyor control line in the present of the control of t yond precedent, there is no assurance that the next four weeks will not bring a killing frost. There has been frost every month during the year, On the list of F. W. Knott Angust in the latitude of Des Moines the wild geese were observed flying southward, and in the same latitude on the El. L. Heath, ..., Rep., Dist. No. 33, Bushville 23d of the month the temperature at six o'clock in the evening was down to lifty degrees. This, while probably not without precedent, is very unusual, and af- amout cutteries fords reason for apprehension lest a biting frost may yet come to prevent the corn crop from maturing. That this o Gatherie would be an unspeakable calamity is a fact so obvious that it need scarcely be enlarged upon. The imperative duty of taking every precaution that is humanly possible in order that the crop may b saved is equally plain, for the consequences of its loss would, under present general crop conditions, affect not only

the individual farmer, the state and the corn belt, but the entire world.

Among the steps that are possible to protect the crop from the possible danger is the preparation of "smudges." It is one of the most easily taken precautions and at the same time one of the most efficient. A "smudge" is an artificial cloud of smoke interposed between the crop and the threatened frost. It is made by firing a few loads of old straw, half dried weeds, and such other damp refuse as may be available, first having placed it on the windward side of the field to be protected. As is well known, an injurious frost, except in actually freezing weather, is only possible when the air is calm and the sky cloudless. But the calm requisite to frost is only relative, there is no such thing as absolute calm; there is always a windward side, the movement of the air often being almost imperceptible, yet sufficient to slightly move a cloud of smoke, and the more slowly it moves and the more closely settles down on the field, the better for the purpose in hand. The effect of the smudge is two-fold. First, the smoke always carries some beat with it and is therefore accompanied by a slightly increased temperature. Not much. perhaps, but the margin between the preservation and destruction of the crop is often only a question of a degree of two. Second, the smudge interposes a cloud between the crop and the frost. Every one; even the least observing, knows bow perfectly a slightly clouded Lumber, sky protects vegetation against frost, The artificial cloud produced by the smudge serves the same purpose, blanketing the crop and preserving it from what would otherwise be a destructive

There are on every farm, particularly in such a season as this, ample materials with which to prepare smudges. Leaf and weed growth has been unusually prolific, and there is hardly a pasture or a meadow in which it would not be profitable to cut weeds even if no use were to be made of them. To do it costs nothing save the labor of doing it. When half dried such materials will produce a very large volume of smoke as compared with the quantity burned, and can easily be the salvation of a corn field.

The cold snap at the close of the third and begining of the fourth week in August passed without destructive results, which was a piece of good fortune, but it it not well to "trust to luck." Heaven helps those who help themselves. The intervals of about a week or ten days until the end of the season, and it will be wisdom to prepare such helps as are possible. The weeds can be cut and partially dried, old staw piles can be made ready, and when the next cold spell ready, and when the next comes, as very likely it will, they may reach the ween the prove to be all that stands between the half matured crop and destruction. The Smudges should not be fired unless the conditions of calm and cloudlessness are present, and not then until about ten or eleven o'clock at night, for the darkest bour-just before the dawn-is also the coldest, and it is for this that the preparation is made. Winds or clouds or both will protect and smudges are not necessary, but when the night closes in clear and cold and with scarcely a breeze stirring then is the time to light the smudge. It will not avail against downright freezing, but it will be a protection against what would otherwise be a killing frost

OFFICIAL DIRECTORY.

STATE OFFICERS: John M. Thayer Governor, Lincoln, Nob T. J. Majors Lientenant Governor T. H. Benton. John E. Hill G. H.Hastings Attorney General A. R. Humphrey Land Commissioner A. K. Goudy Supt. Public Instruction

CONGRESSIONAL DELEGATION: A. S. Paddock U. S. Senator, Beatrine C. F. Manderson U. S. Senator, Omalo W. J. Bryan, Congressman ist Dist., Omula W. A. McKieghan, " 2d " Red Clone O. M. Kem. " 3d " Broken Ro O. M. Kem, 3d " Broken Bow

D. A. Campbell. Clerk and Reporter, Lincol.

M. P. Kinkaid.....Judge, O'Neill A. W. Critics ... Conrad Lindeman Clerk, Harriso COUNTY OFFICERS:

ROARD OF COMMISSIONERS nas. U. Grove, (chairman) 2d District J. A. Green.......3d LEGISLATIVE:

W. Wilson..... Senator, Dist No. 14, Chadron VILLAGE OFFICERS. s. I. R. Maine (chalrman)...... Trustee Thomas Reidy. E. G. Bough.... W. H. Davis. Clerks Treasurer SCHOOL OFFICERS:

W. Hester TERMS OF COURT: District Court, At Harrison, commence February 16th and September 8th, 1891. County Court, At Harrison, commence

Moderator

Mr. E. G. Hough

W. G. Wright

M. E. Church-Preaching each alternate Sunday at 10:30 a. m., and every Sunday even E. E. E. RORICK, Pastor.

Friday evening between the last two Sun-days of each month, conducted by Rev. J. M.

E. E. E. RORICK Supit.

hible school meets at the church each sun day afternoon at 3 o'clock. S. C. D. BASSETT, SOPL

Grant Guthrie,

DEALER IN-

Lime,

Coal.







O.K. CREAMERY JOHN S. CARTER, Sole Manfr, SYRACUSE, N. Y.

SPRING FRAME CYCLES!



Vibration Overcome Without Complication.

Its users say: "Better than Cushion or Prou-tatic lires." Possesses advantages of both with isadvantages of neither. Light, Strong East Easy Payments with no Extra Charge

BARGAINS IN JOB LOTS. ALL MAKES * NEW AND * AT LOWEST PRICES

* Our superfor inducements bring us orders from every state
and Territory and large city in the United States and Canada.

you want one or one hundred cycles we can do you good and save you money. Catalogue, Second Hand and Bargain List free. Largest stock in the United States. HOUSE, HAZARD & CO., Manufacturers and 144 G Street, Peoria, Illinois.

NEW REPEATING RIFLE



Weight, 6% lbs. Using 32-20, 38-40 and 44-40 Cartridges. MARLIN FIRE ARMS CO., NEW HAVEN, CT., U.S. A.



For Rifles, Pistols Bhot Guns. RELOAD YOUR SHELLS FREE, ILLUSTRATED IDEAL MFG. CO. . G. New Haven, Ct.

TOP.

Fremont,

Elkhorn

Mo. Valley

RAILROAD.

NORTHWESTERN LINE BETWEEN-

Harrison, Nebraska,

OMAHA, SIOUX CITY CHICAGO

-AND-

ST. PAUL -And All Points in the-

East, North, South & West.

The Elkhorn Line is now running Reclining Chair Cars daily, between Omaha and Deadwood, free to holders of first-class transportation.

THROUGH TICKETS TO ALL POINTS Baggage checked to Destinaton Through Palace Sleeper betwee Missouri Vailey and Deadwood.

J. C. NORTHROP, Agent, Harrison, Neb. J. R. BUCHANAN, Gen'l Pass. Agent. Gen'l Manager.

OMAHA, NEB.





PERFECTION of SIMPLICITY and ECONOMY of POWER. NO CHAINS. NO GEARS.

VARIABLE STROKE, only two sets of Revolving Bearings. Best Hill Climbing and all around Safety made.

CATALOGUE PREE

H. B. SMITH MACTINE 51. SMITHVILLE. BJ. J.







Ask your Dealer for it Insist on Having it.



Neatest in Design. Best in Finish,

Fully Guaranteed. All Dealers have them. PRICES QUOTED ON APPLICATION.

GEORGE ENGER & CO., CINCINNATI, OHIO

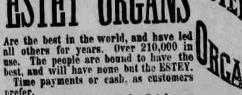


"Everybody Wagon" No. 47



The box is easily taken off and the gear lengthened out for the use of carpenters and masons. This wagon has a smooth fluish, is painted bright and attractive, and is strong and masons. This wagon has a smooth fluish, is painted bright and attractive, and is strong and THE MINONE MAGON CO.

Manufacturers of the Celebrated Rushford Wagon, 1010 W. 5th St., Winons, Minn.



Call and see us, or send for Catalogues and full information.



233 State Street, Chicago.

St. Louis House, 916 & 918 Office St