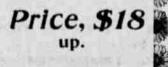


# **Oak** Stoves

are recognized by everyone to be the tight, strong, durable best. They are air and neat in appearance.



Newberry's Hardware 📓



#### By P. B. Parker, Department of Agronomy, University of Nebraska,

Loam and silt loam soils such as are common in the corn belt region contain 12 or 14 inches of water in the upper four feet of soil when crops tre growing most rapidly. One cubic foot of silt or clay loam soil containing the proper amount of moisture for good growing and tilling conditions contains about two and one-half gallons of water.

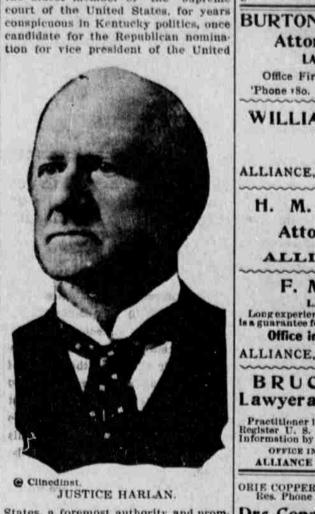
The water contained in a soil is not all available for crop growth, in other words crops will wilt when there is considerable water yet in the soil. In the month of August, 1909, when the corn was wilted badly and Leginning to dry prematurely, the upper four feet of soil contained 15 or 16 per cent of water, which is equivalent to 7 or 8 inches of rainfall. The unavailable water in a cubic foot of loam soil is equal to about one gallon. The amount of available water con-

tained in a soil, therefore, is the difference between the total water coutent and the unavailable water which would amount to about 5 or 6 inches in the case of the loam and silt loam seils mentioned above. This is equivalent to about one and one-half gallons per cubic foot.

### Crop Requirements for Soil Moisture.

Growing crops use a great deal of water. According to good authority from 200 to 500 pounds of water are required for every pound of dry matter produced. For instance, if the wheat crop produced two tons of dry wheat and straw per acre it transpires or evaporates 600 tons of water per acre during the growing season on the basis of 300 pounds of water for every pound of dry matter produced. This amount of water is equivalent to 5 or

6 inches of rainfall. The available moisture content of loam and silt loam soil in the upper four feet under good growing conditions and the wheat crop requirements for water are therefore very similar in amounts. This does not mean, however, that the wheat crop can reach maturity and produce maximum yields without more water than that contained in the soil when the crop was sown, even if it contained enough water for best growing conditions at that time.



lnent in high councils of the Presbyterian church, died at his home in Washington. He was seventy-eight years old. Justice Harlan had been ill with acute bronchitis about a week.

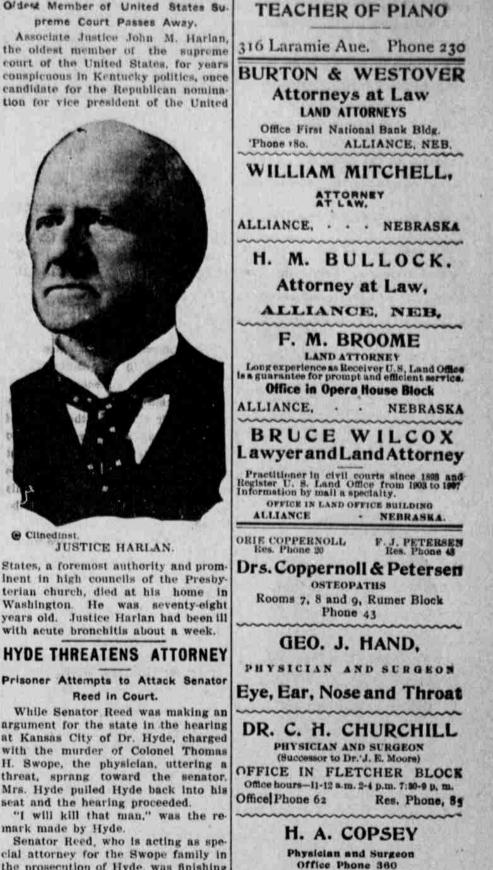
#### HYDE THREATENS ATTORNEY Prisoner Attempts to Attack Senato

Reed in Court. While Senator Reed was making an argument for the state in the hearing at Kansas City of Dr. Hyde, charged with the murder of Colonel Thomas H. Swope, the physician, uttering a threat, sprang toward the senator. Mrs. Hyde pulled Hyde back into his seat and the hearing proceeded. "I will kill that man," was the re

mark made by Hyde.

Senator Reed, who is acting as spe cial attorney for the Swope family in the prosecution of Hyde, was finishing an argument in an attempt to impeach Hyde's affidavit, in which he charged that a deputy marshal had approached him with an offer to "fix" a member of the jury at the first trial. The deputy had filed a counter affidavit denying the allegation. "Whose word is the court to take?" demanded Senator Reed, dramatically. "This man, whose history you all know, and this woman (meaning Mrs. Hyde, who sat beside here husband), who-"

Mr. Reed was standing with his

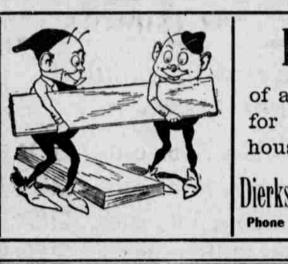


Miss M. Ruth Taylor

Res. Phone 342 Calls answered promptly day and night from office. Offices - Alliance National Bank Building over the Post Office.

H. H. BELLWOOD, M. D. CHAS. E. SLAGLE, M. D. Office Over Holsten's Drug Store Phone 87

FRANCES DANOS



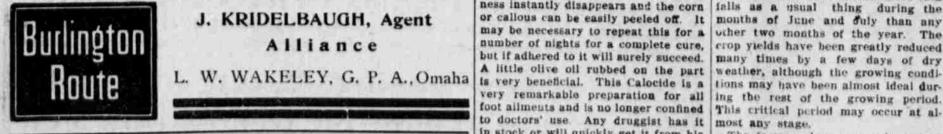
Boards of all descriptions for any part of a house or barn. Dierks Lumber & Coal Co.

Phone 22 D. Waters, Mgr.

# **October Special Rates**

ONE-WAY COLONIST RATES TO THE PACIFIC COAST, until October 15th.

- THE DRY FARMING CONGRESS at Colorado Springs, October 16-20, will be one of the most instructive conventions ever held in the west; special rates.
- THE OMAHA LAND SHOW, October 16th to 28th. Here you will see under one roof the remarkable products of irrigation and dry farming; it will be a great educational show of farm and orchard products from every state in the west.
- THE BIG HORN BASIN AND YELLOWSTONE VALLEY are closing a most successful season of heavy crops. Filings for Government irrigated homestedas this autumn will be very numerous. Some of the finest lands that the Government has ever bestowed are for you in these regions. A party of twenty-one newspaper correspondents has just made a tour through the Big Horn Basin and the Sheridan country and they were amazed at the wonderful fields of grain and alfalfa, the ample water supply, the permanent canals, the progressive new towns, the productive soil, the climate, the surrounding and scenic mountains, the mineral wealth, the industrial possibilities and the hospitality of the people.
- Join our personally conducted excursions the first and third Tuesdays of each month and keep ahead of the coming movement.



GIVES AID TO STRIKERS

Sometimes liver, kidneys and bowels seem to go on a strike and re- proper action. Excellent health soon fuse to work right. Then you need follows. Try them. 25c at F. J. those pleasant little strike-breakers Brennan's.

those that rejoiced both right? Give your reasons

(18) Were those that sorrowed

vigor of the leaders in seeing the or-

(11.) Verses 10-11-What is the

practical effect of a proper ceremony

for special church services, such as

the laying of a foundation stone, or

(12.) Would it be a good thing for

(13.) Point out its appropriateness

(14.) Should there be room and op-

portunity for spontaneous shouts

of praise as in this case, in the most

carefully prepared church ceremony?

(15.) In political and other meet-

ings, the people are encouraged to

show their appreciation and express

their feelings; why should it not be

(16.) Verses 12-13-Why did some

of these people shout for joy and

(17.) About how many years was it

since the former Temple was burn-

the same in religious gatherings?

some for sorrow?

and say what psalm they sang to-

the church to re-establish band music

in its services? Why or why not?

ganization was effective?

the opening of a church?

gether.

ed?

Oct. 22nd, 1911.

(19.) Chap. iv Verses 1-5---Why did these enemies of the Jews offer their services to help build the Temple? (20.) Should help ever be received for the church from those who are not religious?

(21.) What motive did these people have in trying to frustrate the building of the Temple? (This is one of the questions that may be answered in writing by members of the club.) (22.) What is our duty when we are opposed in our Christian work? Lesson for Sunday, Oct. 29th, 1911. A Psalm of Deliverance. Psalm lxxxv.

POST OFFICE DIRECTORY Mails close at the Alliance post office as follows, Mountain time:

East Bound 11:20 a.m. for train No. 44. 11:00 p.m. for train No. 42. West Bound 12:30 p.m. for train No. 43. 11:00 p.m. for train No. 41.

South Bound

12:30 p.m. for train No. 303. 11:00 p.m. for train No. 301. On Sundays and holidays all night mails close at 6:00 p.m. instead of 11:00 p.m. IRA E. TASH, P. M.

\* MUSHROOM CORNS Most Painful of All Foot Ailments. How to Cure Them.

....................

The Mushroom corn is so called from its pitted cone top, resembling a tiny mushroom. It burrows deep into the toe and gets more inflamed than other corns. For the quick relief and cure of growth, but yet growing most activethese and all corns and callouses the following is the most effective remedy known to scl-

ence: Dissolve

2 tablespoonfuls

of Calocide com-



pound in a basin of hot water. Soak the feet in this for full fifteen minutes, gently massaging the sore parts. (Less time will Jarmers of Nebraska and surrounding not give desired results.) All sore states are fortunate in that more rain ness instantly disappears and the corn falls as a usual thing during the or callous can be easily peeled off. It may be necessary to repeat this for a other two months of the year. The number of nights for a complete cure, crop yields have been greatly reduced but if adhered to it will surely succeed. many times by a few days of dry A little olive oil rubbed on the part weather, although the growing condivery remarkable preparation for all ing the rest of the growing period. foot ailments and is no longer confined This critical period may occur at alto doctors' use. Any druggist has it most any stage.

in stock or will quickly get it from his wholesale house. A twenty-five cent part in maintaining the proper bal--Dr. King's New Life Pills-to give package is usually sufficient to put the ance between the crop requirements them natural aid and gently compel worst feet in fine condition. Bad smell- for water and the available moisture ing feet and tender feet need only a by proper management of the land. few treatments, likewise with inflamed This requires close attention and bunions. This item will be welcomed proper and timely application of the by persons who have tried ineffectual nowders and tablets.

As stated before, the crop grows best when the soll contains the optimum content of moisture and the growth is gradually less as the water

roots moves toward the dryer soil.

From this viewpoint the depth to

bottom water is quite an important

Moisture Content of Soils.

The continual mogement of grow-

ing plant roots no Joabt is a signi-

ficant factor in considering the water

roots and root hairs grow, their ab-

sorbing portions are continually

reaching out into new regious where

the moisture supply has not as yet

been greatly reduced and by the time

the wheat crop reaches full maturity

the upper four feet of soll are pretty

well occupied with wheat roots. When

the wheat crop is nearing its full

ly, its large area of roots permeating

the upper four feet of silt loam soils

principles of soll management.

content at all times.

consideration.

alarm on Judge Porterfield's face. content is reduced below this point. Reed turned about just in time to see In order that the crop may make its Hyde being pulled into his seat. best growth at all stages of its growing period, it is necessary that the SUFFRAGE IS WINNER soil in which its roots are growing be

supplied with the optimum moisture Late Returns Wipe Out Majority Against Amendment. There are several factors which

tend to maintain this state of equilibrium between the growing plants and the available moisture in the root zone. Some authorities put great stress upon the repleatshing supply of moisture which moves up capillarily from below the root zone, thus enabling the plant roots to have a constant supply of water continually at their disposal, for as the soll moisture is reduced in the vicinity of the growing roots the water from below or otherwise surrounding the

Woman suffrage won in California Straggling returns wiped out the majority previously recorded against the amendment and since this turn the margin in favor of the amendment has increased steadily. So overwhelming was the vote in

favor of the other more important amendments-the initiative and refer endum and the recall, including the judiciary-that tabulation of the re turns was suspended with nearly a third of the precincts remaining unreported. The final count taken showed the following results: For the initiative and referendum, 138,181; against, 44,850. For the recall, 148, 572; against. 46,290.

## \*\*\*\*\* THE MARKETS

supply for crop purposes, for as the \*\*\*\*\* Chicago, Oct. 16 .- Closing prices: Wheat-Dec., 99%c; May, \$1.04%. Corn-Dec., 64%, @ 641\_c; May, 6514c Oats-Dec., 47%@ 475sc; May, 50c. Pork-Jan., \$15.85; May, \$15.25. Lard-Jan., \$8.821 Ribs-Jan , \$5.00; May, \$8.0715. Chicago Cash Prices-No. 2 hard

wheat, \$1.03@1.08; No. 2 corn, 71@ 71%c; No. 2 oats, 461-@47c.

Chicago Live Stock.

greatly reduce the moisture content Chicago, Oct. 16 .- Cattle-Receipts In the root zone. The crop require-27,000; steady, 10c off; beeves, \$4.80@ ments are comparatively large at this 6.40; western steers, \$4.25@6.75; stage. The moisture content in the stockers and feeders, \$3.20@5.75; upper four feet of soil about the cows and heifers, \$3.20@6.20; calves, middle of June is ordinarily very near \$5.50@9.50. Hogs-Receipts, 30,000; the limit of the available supply. The strong: light, \$5.95@6.70; mixed. \$6.05@6.75; heavy, \$6.00@6.75; rough, Phone 64 ALLIANCE, NEBR. \$6.00@6.20; plgs. \$3.75@6.00; bulk \$6.35@6.70. Sheep-Receipts, 75,000; months of June and Suly than any celpts, 4,600; weak; wethers, \$3.25@ 4.00; westerns, \$2.70@4.00; yearlings, \$3.70@4.50; lambs, \$4.00@6.10.

#### South Omaha Live Stock.

South Omaha, Oct. 16 .--- Cattle--- Re celpts, 11,000; 10c lower; beef steers, \$4.25 @ 7.90; cows and helfers, \$3.75 @5.25; stockers and feeders, \$4.40@ The farmer plays a very important 6.00; calves, \$3.50@7.50. Hogs-Re this paper. celpts, 3,300; 54710c lower; the long string landed at \$6.30; best bacon enimals reached \$6.50, while rough beavy sold down to \$6.20. Sheep-Receipts, 4,600; weat wethers, \$3.250 3.85; ewes, \$2.256(2.40; yearlings, \$3.75@4.35; lambs, \$8.50@5.60.





DR. D. E. TYLER DENTIST.

OPERA HOUSE BLOCK,

PHONE 167

Alliance, Nebraska

In answering Herald want ade please mention that you saw it

