THE ADVERTISER.

BROWNVILLE, NEB.,

THURSDAY MORNING, AUGUST 10, 1871.

AGRICULTURAL.

Nebraska State Fair.—To be held at Brownville, September 26, 27, 28, 29, 1871. Premiums Liberal. Open to the world. No entry fee for entries. For particulars, address M. W. Furnas, President, Brownville, or D. H. Wheeler, Secretary, Plattsmouth.

Special Premiums—By W. W. ABBEY, farmer and stock breeder, Salem, Richardson County, Neb., for best managed, best arranged, and most productive farm in Nebraska, not to exceed 80 acres, and best model for farmer's dwelling. Agricultural Library, $100, and pair Poland China Pigs, $20.

By J. J. GOSPER, stock-breeder and dealer in agricultural implements, Lincoln, Neb., for best yield per acre of Corn, not less than 10 acres, yield not less than 75 bushels per acre, Gallaher Feed Mill, $50.

By JOHN L. CARSON, banker and stock breeder, Brownville, Neb., for best plan of model for a farm barn, Short Horn Durham Bull, value $100.

By J. W. PEARMAN, Nurseryman, Nebraska City, Neb., for best and second best two and five year orchards. Nursery stock and cash, $60.

By FURNAS SONS & CO., Nurserymen, Brownville, Neb., for best stand, cheapest planted and cultivated grove, of not less than five acres, and not less than eighty rods of live fence—not less than three year growth—on the same farm. Nursery stock, $50.

By S. A. TISDEL, Jr., & Co., dealers in agricultural implements, Brownville, Neb., for best yield per acre of fall wheat, not less than 10 acres, yield not less than 30 bushels per acre, five bushel sample to be exhibited. A Tiffin Premium Farming Mill, $75.

By DEWITT & TULLIS, stock breeders, Lincoln, Neb., for the best plan or model for pigsty, One Pair Poland China Pigs, $25.

By Orchard City Agricultural Works, Burlington, Iowa, for the best exhibit of corn, One Orchard City Walking Cultivator, $25. Cash or articles to be chosen on the ground, and award and delivery to be made during the Fair.

By HAZEL, DUFORD & CO., plow factory, Moline, Ills., for best plowman, No. 1 Moline Plow, $25.

By FOREST & BRADLEY, Agricultural Works, Chicago, Ills., for best yield per acre of Corn, not less than ten acres, yield not less than sixty bushels per acre, One Safety Hay Rack, value $25.

By HURLBUT & CO., Moline Plow Works, Moline, Ills., for best two gangsters, in Nebraska, excepting John Deere Moline Plow, 12 Inch inclusive.

By R. E. BRITTAIN & CO., manufacturers and dealers in Wrought and Unwrought Fence Wire, St. Louis, Mo., for best basket of wheat, one Gaining Mill, values at $5.

Trotting, Pacing and Walking.—An entry fee of at the rate of $20 is made up for Trotting, Pacing, Walking, and other Horse Exhibitions of this character, to be distributed as horsemen may determine, Saturday, September 30th, will be devoted entirely to the display of exercises, under cover with a good platform as may then be determined upon. The grounds are provided with a first-class well watered Track.

THE EFFECT OF TREES ON CLIMATE.

"We have repeatedly been asked to write, for publication, our ideas or opinions on the subject of the influence of tree planting on the climate. As there are those who have had so much more experience, and given the subject scientific investigation, we prefer to give a brief collection of historical facts and evidences, relative to this interesting subject. We preface, however, by saying that an experience of fifteen years in Nebraska, warrants the assertion that very perceptible and satisfactory changes for good, both in climate and the consequent productions of the soil, have taken place under our observation by reason of tree planting—forest, fruit and live fence. The Geography we studied when a boy, taught that all the country west of the Missouri river was a barren desert. In fact there are those yet living who believe this country to be the "Great American Desert". And yet, the facts are, that another portion of "God's Domain" furnishes a richer or more productive soil. Conceding this antiquated idea to have been true at the time the information was furnished upon which the Geographer referred to, based his data, and we have witnessed, proportionately, equally as radical changes or revolutions within the past decade and a half, attributable in a very great measure, we are sure, to the results of tree planting and other agricultural improvements.

Systematic efforts have been made in different parts of the world to introduce tree growing where they had disappeared or had never been known, and with important results.

In India the planting of extensive forests has had a marked influence upon the climate. "Egypt which formerly had only about six rainy days every year, since being re-planted on a large scale, has already attained to twenty-four. Among the enlightened measures of the administration of the French government, one which is especially noteworthy is that of planting immense tracts of land in Algiers, especially with Australian trees—namely, *Acacia mollissima* and *Acacia lophantha*. Plantations of these trees, started a few years ago, have attained a height of from nine to twelve feet, and in their rapid growth and great extent have already changed the climate very much—twice as much rain and dew falling in the neighborhood as before. Under the same auspices, sixteen square miles of the swampy, unhealthy country along the coast of the Bay of Biscay, in the Department of the Landes, was planted with millions of trees—especially the cork oak and swamp pine—with surprisingly beneficial results; the trees having drained the land so as to destroy the swamp fevers, and to change it into a healthy country with pine forests. Biscay law requires that for every tree cut down two shall be planted, and it is said to be executed with rigorous severity."

Marsh's "Man and Nature" treats fully and to the point "the influences exerted by man upon the physical condition of the earth and the atmosphere, and deserved stress has been laid upon the important part played by trees in all phenomena connected with the amelioration of climates and the restoration or increase of rain-fall, and the diminution in the number and the intense severity of inundations, &c. Mr. Buchan, a well-known meteorologist of Edinburg, has lately made a report to the scientific society of that city in regard to certain measures about being introduced by the Governor of Malta for replanting the island with trees, in which he remarks that the characteristic features of the climate of that island are the cold northerly winds of the winter, and the excessive heat of summer, with a great scarcity of water throughout the whole year. The entire absence of trees on the island was thought to intensify and increase these extremes, and it was believed that by securing an abundant covering of forests much could be done for the amelioration of the climate. Mr. Buchan, in reference to the general theory of such amelioration, states that while the highest temperature of the air occurs in summer between 2 and 3 o'clock p. m., the change in the trees is very slow, the leaves not attaining their maximum temperature until 9 o'clock p. m. Thus, while the atmospheric changes are rapid, the temperature varies slowly in the trees, and therefore they serve, like the ocean, as equalizers of the temperature, moderating the heat of the day and maintaining a higher temperature during the night.

In continuation of the same subject Mr. Buchan remarks that, as air is heated by contact with the soil, and as trees shelter the soil from the solar radiation, they must diminish the force of the sun's rays, especially in the lower strata of the atmosphere. The exhalation of moisture by trees produces cold in the air by abstracting the latent heat from it. This lowering of the temperature gives to the air a greater degree of humidity. Again, the leaves of trees exercise an important influence in cooling the atmosphere, as the tree itself, by its radiation of heat, becomes sensibly lower in temperature, and thus cools the air as it plays among the leaves."

BUDDED PEACHES.

Heretofore we in Nebraska have relied almost entirely on Seedling Peach trees. We are not disposed to discourage the idea; think it is the main dependence. Yet there are many well known hardy budded varieties worthy of cultivation in our State. This season quite a number of our citizens have fruited, for the first time, valuable early varieties. Hale's Early, Troth's Early, Cole's Early, Crawford's Early, and Early York have fruited and perfected themselves quite to satisfaction this season. The latter varieties are showing handsomely.

SEEDLING APPLES.

Barney Otens, one of the leading Germans of this county, who has given much attention to fruit growing, has left with us a number of apple seedlings for examination, which we are pleased to pronounce of promise. They are rather small—below medium—but possess some essential characteristics. They are early, of fine flavor, and will bear handling. They will be submitted.

Quite a delegation of representatives of the Eastern Agricultural and Horticultural press are now "on the wing" in the west, on an "Agricultural Editorial Excursion." They have managed to give our State the dodge. Will some one "rise and explain?" We regret this, as our Agricultural and Horticultural Associations would have delighted in honoring them. They went west from Leavenworth and should return by way of Omaha. We say to the excursionists that, while we may be permitted to ignore the Macedonian cry, "Come over and *help* us," in western parlance, we extend the invitation, "Come and *see* us." If we fail to show you a country and products worthy of mention, say so.

STATE FAIRS.

The following information relative to State Fairs this season we publish for the benefit of our readers. They are held as follows:

Georgia, Macon, Oct. 23-26.
New York, Albany, Oct. 2-6.
Ohio, Springfield, Sept. 25-29.
Iowa, Cedar Rapids, Sept. 12-15.
Illinois, Dunquoin, Sept. 25-30.
Colorado, Denver, Sept. 12-16.
Arkansas, Little Rock, Oct. 2-6.
Louisiana, New Orleans, Nov. 18.
North Mo., Hannibal, Sept. 26-30.
Minnesota, St. Paul, Sept. 26-29.
Kansas State, Topeka, Sept. 11-15.
Alabama, Montgomery, Oct. 16-20.
Nebraska, Brownville, Sept. 26-29.
California, Sacramento, Sept. 18-23.
Central Iowa, Des Moines, Sept. 16-22.
Northern Ohio, Cleveland, Sept. 11-16.
Central Kentucky, Danville, Sept. 19-22.
Wisconsin State, Milwaukee, Sept. 26-29.
Central Ohio, Mechanicsburg, Sept. 19-22.
Northern Kentucky, Florence, Sept. 19-22.
Cotton States, Augusta, Ga., Oct. 31-Nov. 4.
Atlanta, A. & J. A., Atlanta, Ga., Oct. 16-21.
Am. Pomological, Richmond, Va., Sept. 6-8.
Cedar Valley, Ia., Cedar Valley, Sept. 19-21.
Mississippi State Fair, Jackson, Oct. 23-28.
Cincinnati Industrial, Cincinnati, O., Sept. 6 Oct. 7.
Michigan Pomological, Grand Rapids, Sept. 12-15.
N. M. Stock, Agr. & Mech. As., Salisbury, Sept. 26.
National Swine Exposition, Chicago, Sept. 19-21.
Indianapolis A. M. and H., Indianapolis, Sept. 25-30.
Cherokee, Georgia and Alabama, Rome, Ga., Oct. 10-13.
St. Louis Agr. and Mech. As., St. Louis, Oct. 2-7.
New Jersey State Agr. Society, Waverly Station, Sept. 19-22.
Northern Kansas Agr. and Hort. Society, Atchinson, Oct. 3-6.

WHAT AN EDITOR KNOWS ABOUT FARMING.

Mr. C. W. Fay, of the Trenton *Sentinel*, is after Greeley's laurels. Here is a sample of what he knows about it:

"The proper time to pull hemp is any Friday that a good judge may select. Castor oil beans succeed the best in the bowels of the earth. They will soon work their way out. The best preparation for hops is a toad or two in each hill; they will make the vines fairly jump. The usual time to put in rye is early in the morning. Some husbandmen, especially those in the city, run it in at intervals of half an hour until bed time. The practice is only allowable in case of a dry season. In reaping wheat never take it by the beard, it is apt to cake on the stomach. Corn in the ear is apt to affect the hearing, if eaten green it will make the voice husky; when dealt out as army rations the kernel should always be served first, and then the men privately. Never plant your potatoes early, it is the early potato that gets the worm. It is up hill business after that. To be certain of the right kind of squashes, compare them with your head. In adopting this rule I first mistook pumpkins for squashes, but by continued and careful comparison I soon learned to detect the difference. In making cider out of apples I found it a tight squeeze, notwithstanding my long connection with the press. If you lay in a supply of old wine, be sure to make it out of older berries."

ANNUAL REPORT STATE BOARD AGRICULTURE.

In providing for the publication of the Third Annual Report State Board Agriculture by the Legislature last winter, provisions were also made for their distribution. Five thousand copies were ordered printed. With the exception of five hundred copies furnished the State Board for its use, the Secretary of State distributes to each organized county in the same manner as he does the Laws and Journals. Each County Society is entitled to a supply, to be drawn by its Secretary. A goodly number are for the use of members of the Legislature. A few hundred copies are in my hands, and, also, with the Secretary of the Board, D. H. Wheeler, Plattsmouth. We have no funds at our command to provide for their distribution—postage or express. Those desiring copies from us can procure them by calling, or sending express charges or postage. The postage on single copy is twenty cents. County Societies will make application to the Secretary of State.

ROBT. W. FURNAS,
Pres't Board of Agriculture.

Tree Planting.

We copy the following, relative to timber planting by the B. & M. R. R. Co., from the Council Bluffs *Nonpareil*:

The Burlington and Missouri River Railroad company propose to establish nurseries at different points on the line of the extension of their road between Lincoln Nebraska, and Fort Kearney, with a view to the encouragement and promotion of forest culture on the great plains. The company are satisfied that no investment could possibly be made with so certain a prospect of very large profit, as an elaborate and extended system of tree planting, and are making all necessary preparations to carry this project into effect next session.

We have been urging this idea in the U. P. R. R. Co. for years past, and are glad to see the B. & M. under Col. Harris lead off in this matter. To plant timber along the lines of these two great railroads would in a few years be fortunes to the companies. Ties can be grown to replace those now down. The wind breaks would serve as substitutes for snow sheds and snow fans.

COUNTY AGRICULTURAL SOCIETIES.

We are pleased to see such a general disposition throughout the State to form County Agricultural Societies. Official notice has just been received of the organization of a Society in Seward county. Mr. Langden, of Oak Grove, is President.

We have just seen a watermelon that weighed forty-four and three-quarter pounds.

JOHN BOUSFIELD,
Bricklayer and Plasterer,
Brownville, Nebraska.
is prepared to take contracts in his line, in city or country. All work done in the best of style. Also, will sold Cisterns, and warrant them perfect. 29

Clocks, Watches, Jewelry
JOSEPH SHUTZ,
No. 59 Main Street, Brownville.
Keeps constantly on hand a large and well assorted stock of genuine articles in his line. Repairing of Clocks, Watches and Jewelry done on short notice, at reasonable rates.
ALL WORK WARRANTED.

STOVES!
ALL SIZES AND PATTERNS,
AT W. D. SHELLENBERGERS.

The Florence
IS A LOCK STITCH
Family Sewing Machine.
IT MAKES A TRULY
ELASTIC LOCK STITCK.
It never Puckers the Work, nor Draws after being Washed.
IT SELF FASTENS ALL THE ENDS OF THE SEAMS, BEING THE ONLY SEWING MACHINE HAVING THE
Celebrated "Reversible Feed."
It is the most simple and easy to learn to use, and the least liable to get out of order, having no
Wire Springs, Wire Coils,
Levers or Brush Pads,
To Get Out of Order.
No Cog Wheels to Make a Racket,
AND NO CAMS TO MAKE IT RUN HARD.
Warranted to last a Life-Time!
ALL OUR MACHINES KEPT IN ORDER
FREE OF CHARGE.
THE FLORENCE
Runs Light and Comparatively
NOISELESS.
Over 90,000 in Use.
Wm. E. PLANT, Gen'l Agent,
214 North Fifth Street,
ST. LOUIS, MO.
DUNN & HAYS, Agents,
BROWNVILLE, NEBRASKA.
21-1y

GET A PAIR OF
CABLE SCREW WIRE
BOOTS AND SHOES.
—FOR—
Comfort, Elasticity, Durability and Economy
THEY EXCEL ALL OTHERS.
OF 140,000 PAIRS SOLD LAST YEAR BY two leading Boston manufacturers, and warranted against ripping.
NOT ONE WAS RETURNED.
Patent Stamp on every one.
Sold by all Leading Dealers.
THEO. HILL & CO.
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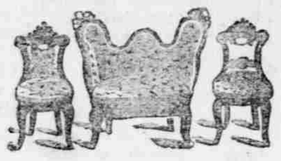
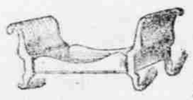
FURNITURE



J. A. BIZER.
Now occupies the old Regulator building,
No. 27 Main Street,
Brownville, Nebraska,
with a superb and selected stock of everything in the Furniture line. He invites the public to
CALL AND SEE HIM!
and compare his prices with other dealers.



HE HAS A
NEW STOCK,
Just arrived from the manufactories. Not a single piece of old furniture in it. Besides this, his is entirely a
GOOD STOCK,
being of the very best quality and finest finish. Further buying of him can expect to obtain the genuine article. And better than all, he can safely say that he has
A CHEAP STOCK
No one can offer
Better Inducements
in the way of quality, style and prices.
GIVE HIM A CALL!
WHOLESALE
He is prepared to job Furniture to retail dealers on the most advantageous terms. He can supply them with goods, either
FINISHED OR IN THE ROUGH,
at prices that are really surprising. Merchants in the interior, who are carrying Furniture, or who desire to add it to their stock of GENERAL MERCHANDISE,
ARE INVITED TO CALL.
21-1y

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CALL AND SEE HIS PICTURES ARE
SPECIMENS! LIFE-LIKE!
IN THE BEST STYLE OF THE ART! and can be had of sizes for the ALBUM, OR FOR FRAMING for the Parlor Walls.
47 Main St., BROWNVILLE.
Prompt to Execute all Orders, and Moderate in Charges.
CALL AND SEE HIM.
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JACOB MAROHN,
MERCHANT TAILOR,

Has received a large assortment of No. 1 READY MADE CLOTHING, which he can and will sell Lower than any House in the City AND WARRANTS THEM TO BE GOOD.

THE LARGEST AND BEST STOCK OF
MICHIGAN LUMBER YARD.
PINE LUMBER
IN THE CITY KEPT BY
JOSEPH R. BENNETT,
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Dealers in all kinds of Grain, for which they pay the highest market price in Cash.
Office at Store of F. E. Johnson & Co. 18-6m

HAY KNIVES, for sale by W. D. Shellenberger No. 71 Main street, McPherson Block, Brownville Neb. dwtf

ST. LOUIS LAW SCHOOL.
THE regular annual term of this Law School will open on Wednesday, October 25th, 1871. Full course, two terms—six months, each. Students admitted to the senior class on examination by application on or before October 7th, 1871. Tuition fee, $30 00 per annum. For full particulars address
G. M. STEWART,
Acting Dean of Law Faculty,
203 N. 3d St. St. Louis, Mo.
6m3

LIVERY,
FEED AND SALE STABLE!
Ben. ROGERS,
PROPRIETOR.
GOOD HORSES,
NEW BUGGIES and CARRIAGES,
CAREFUL DRIVERS.
HAVING PURCHASED THE COGSWELL Block, and fitted it up as a Stable, I am now better than ever prepared to give complete satisfaction to all patrons.
Dealer in all kinds of Stock: Horses bought, sold or exchanged: Stock boarded by the day or week. My Stock is all fresh, and my Vehicles new. The public can be accommodated at all hours, day or night.
Stock Corrall, with Good Water,
attached to the Stable. 33-1y

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Wholesale and Retail
DEALERS IN
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CARPETS,
OIL CLOTHS AND MATTINGS,
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We have the Largest Stock, and make the Lowest Prices.

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Upholstery, Cabinet Making,
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Also, on hand a choice stock of
READY MADE GOODS!
which he will
Sell Very Low for Cash!
He would call the attention of the public to the fact that he has an extensive experience in the manufacture of Custom Work of the first quality; and those who want Boots and Shoes to
Fit Well, Look Well and Wear Well,
will not be disappointed.
Boots and Shoes Neatly and Promptly Repaired. 25-tf

PARKER'S
BREECH-LOADING, DOUBLE BARRELED
SHOT GUN
BEST IN THE WORLD.
PARKER BROTHERS WEST MERIDEN, CONN.
SEND FOR A CIRCULAR
New York Office, 27 BEEKMAN ST.
W. T. DEN,
IS THE ONLY MAN IN BROWNVILLE
WHO KEEPS THESE GUNS FOR SALE.
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BIBLE MEN WANTED
ON SALARY AND COMMISSION.
We are paying from
$100 to $400 per Month
for good MEN, to sell
PROF. STOWE'S
Comprehensive and Self-Interpreting
FAMILY BIBLE.
Send for Circulars, or call and examine this wonderful work. Also our splendid, new
GERMAN BIBLE.
The *only nice* one. There has long been a great demand for this which we are now able to meet. The sale will be large. In writing state your business experience, and name references.
J. A. SPODDARD & CO., 102 Washington Street, Chicago. 21-3m

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Can and wil sell you all kinds of Implements cheaper than any other house in Nebraska.
We sell the
STUDEBAKER AND WHITE WATER

WAGONS,
AND BUGGIES OF ALL KINDS.
We sell the
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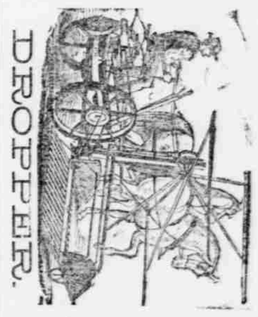
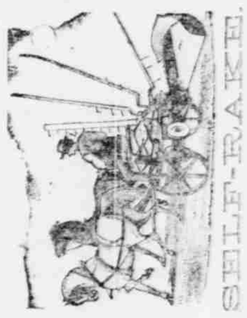
PEKIN TWO AND THREE-HORSE PLOWS
SMITH'S Cast Cast-Steel PLOWS, EXCELSIOR and GANG PLOWS
PRINCETON IRON-BEAM PLOWS,
ALL KINDS OF CORN PLOWS.
We keep for sale
THE BUCKEYE





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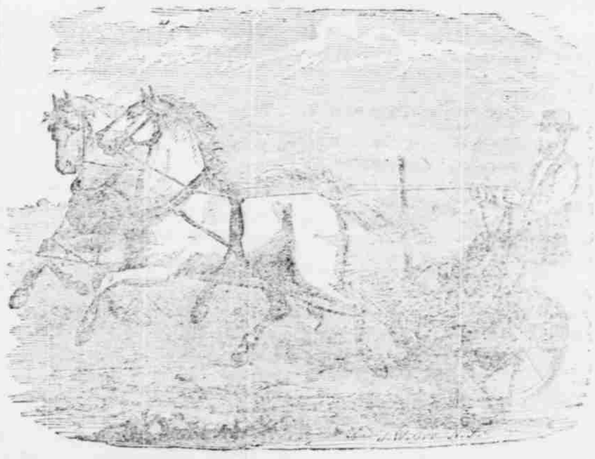

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IMPROVED FOR 1871.
Most Durable and Lightest Machines Made.
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WE KEEP NOTHING BUT FIRST CLASS GOODS, AND GUARANTEE ALL OUR GOODS TO BE AS RECOMMENDED.
A full Supply of Extras always on Hand!