THE FORCING OF TOMATOES.

Professor Bailey Tells of a Promising Enterprise for the Winter Months.

The winter forcing of tomatoes is little understood by gardeners, yet it is pronounced by good authority a promising industry for all the older parts of the country, particularly the vicinity of large cities. Professor L. H. Bailey, in a recent bulletin of the Cornell university station, says: In this latitude it requires from four to five months to bring a forced tomato plant into bearing. Seeds which were sown the 9th of last August gave plants fit for transplanting early in September. These were planted in permanent quarters in the tomato house Oct. 15, and the first fruits were obtained Dec. 28. They continued in bearing until near the end of February, when they were trained for a second

A STEM OF WINTER TOMATOES.

crop. Plants started Nov. 10 were transplanted into 4-inch pots Dec. 8, and from these pots into permanent quarters Feb. 25. The first fruits were picked May 6, and May 12 the first market picking was obtained. June 4 they were in full bearing.

From a summary of the report of experiments made at the station, in forcing tomatoes, the following items are gleaned:

The tomato can be forced for winter fruiting to advantage, but it demands close and constant attention. A tomato house should be very light, warm, and the roof should be at least five feet above the beds or benches. An abundance of sunlight is essential. The temperature should be about 60 degs. to 65 degs. at night and 70 degs. to 80 degs. during the day, or higher in full sunshine. House tomatoes demand a rich soil and a liberal supply of fertilizers.

Tomatoes like brisk bottom heat. Eighteen inch-square boxes, placed about a foot apart and containing four plants to the box, afford one of the neatest and best means of growing tomatoes. Winter tomatoes must be trained. From one to three stems, depending upon the distance apart of the plants, are allowed to grow from each plant. These are trained upon perpendicular or ascending cords. The plants must be pruned as fast as new shoots appear. The heaviest clusters should be supported.

Water may be used more freely early in the growth of the plant than later. Wet the soil thoroughly at each watering rather than water often. In midwinter the flowers should be pollinated by hand. This may be done by knocking the pollen from the flowers when the atmosphere is dry and catching it in a spoon or other receptacle, into which the stigma is thrust.

Lorillard, Ignotum, Volunteer, Ithaca, Golden Queen and Beauty have been found to be good winter tomatoes.

The Mexican Blue Corn.

At a New York farmers' institute at Canton, a farmer gave expression to the following: My pasture usually lasts till July, if not, early cut clover is fed; wheat, oats, barley and peas come next, followed by sweet corn, planted in hills, which lasts till the silo is open. I use the Mexican blue sweet corn, but do not cut a hill till it is fit to go on my table. It is one of the best varieties for the table I ever experimented with and is as good for milch cows. Planted as I prefer, an acre will contain 4,300 hills, of which four make a day's ration for a cow. At that rate an acre would feed a cow such a ration two years. This question of shortage of pasture must be met if the milk flow is kept up. So I would sell cows and feed them grain when they need it. I cut enough corn for two feeds for a cow at night; this furnishes enough for breakfast. Cut and draw as soon to the barn.

This Mexican corn makes the best of silage if properly grown and secured in the silo. It should be cut in the field when the ears are in the "boiling stage" and put immediately into the silo, and put in whole, not cut, as it is very full of juice as sweet as sirup, and which easily leaks out if the stalks are cut finely. This juice turns to acid very rapidly after the stalks have been cut. Put in whole there is a much less loss from this source, as there is a less leakage. Remember, however, this corn must be secured in an airtight silo.

Cross Breeding.

The best crosses for table, laying and general purpose fowls are named by The Fanciers' Journal as follows:

For Table Fowls—Indian game, Dorking; old English game, Dorking; Indian game, La Fleche; old English game, La Fleche.

For Laying Fowls—Minorcas, Black Hamburgs; Minorcas, Leghorns; Minorcas, Houdans; Leghorns, Black Hamburgs; Leghorns, Houdans; Leghorns, Scotch Grays.

For General Purpose Fowls—Langshans, Leghorns; Langshans, Minorcas; Plymouth Rocks, Langshans; Plymouth Rocks, Wyandottes.

It is known that the Catholic Total Abstinence Beneficial society particularly requests physicians to abstain from prescribing indiscriminately whisky to patients who apply to them. They declare that many a case is known to them in which the doctor merely says to the ailing man, "Go and take a big drink of whisky." By this sort of medical prescription the doctor seriously interferes with the good work of the Total Abstinence Beneficial society. Through his friendly help a member is enabled to become a total abstinent with a "big drink of whisky" in him.

It used to be the speculators that held the wheat back for high prices. This year it will be the farmers.

POULTRY AT THE FAIR.

Farm People Ought to Take Interest in Improving Their Stock.

September is the month in which to assort the chicks. Pick out the best to carry over the winter and breed from next season. Many do not realize the importance of this, but the inferior chicks never pay for the food they consume. The balance of the flock will have more advantages after the culling has been made. More revenue will be gained from the remaining lot than from the entire flock if retained. It is now "fair" time, here and there. Select the best pure bred poultry and exhibit them at the nearest fair. Incite an interest in well bred poultry, if not already awakened, and show neighboring farmers what you have. If they have not as good it will interest them, and you may sell some stock or take orders for eggs for the coming season, besides the chance for carrying premiums. Next fair season some of the neighbors will enter into competition, and then you will want to maintain your ground with your second exhibit and have an extra lot of fine birds to show. Farmers should learn the advantages of rearing thoroughbred poultry, by studying the exhibitions at fairs he familiarizes himself with good, pure bred poultry, and can compare it with his common stock, which results in giving the preference to pure stock every time. Thus is laid the foundation and incentive within him to improve his stock. In time he will be found glorying in the possession of as fine a flock of pure bred fowls as the surrounding country can boast. It is impossible to interest too many interested in this matter, and the farmer especially should become familiar with the advantages of breeding and raising pure bred poultry.—E. M. Brown.

Montana Wool.

A firm of commission merchants has this to say about the prospects for the wool in the Montana Stone: "So far as received, the staple appears to be better grown than last year and with less dirt in it. The prices for Montana wools are not yet established. Manufacturers expect to buy them about as far below last year's prices as the decline that has taken place in Ohio [illegible], which is about 2 cents per pound; this is about the extent of the decline in similar wools in the outside markets of the world. If any Montana wools bring as much in the grease as last year, it will be because of their cleaner condition than last year. If the improved condition is as great as claimed, last year's prices in the grease may be had again. Ohio wools are the basis of value for all other grades of American wool, and a choice lot selling at 32 cents in the fleece as against 34 cents at this time last year marks the extent of the decline. Manufacturers are ready to buy Montana wools freely if they can be had on the same basis. Choice fine medium will probably sell at 21 cents this year as against 23 cents last year, and such as brought 21 cents last year will probably not bring over 19 cents this year. Heavy fine Montana, such as brought 18 to 20 cents last year, will probably sell at 17½ to 18 cents this year. Manufacturers are already looking around for Montana wools, and if they can be bought on a parity with the present prices for other similar wools, the outlet for them will be very large."

September Work.

September is a sort of dead point in the poultry line in the minds of many breeders. It is midway between the late fall and early winter business, with the immediate prospect of the shows and the exciting time of incubation and caring for the young chicks in the spring. In a certain way this is true, but there is a host of work to be done this month if the fancier would not find it all coming upon him later in a lump. This is the time for the hens to moult, although sometimes it is a month earlier, and during this operation they should be well taken care of. As the eggs laid at this time are almost never used for incubation, it is a good plan to separate the cocks from the hens, both being benefited by the change and coming out in better condition later in the fall. The rule of separating the sexes has been for several years practiced by breeders of the heavier varieties, but it is nearly as advantageous in the smaller breeds, like Leghorns and Houdans.—American Poultry Yard.

Points of Interest.

An English stock writer declares that the American trotting horse owes more to the Hackney blood in him than to any other strain upon which he has drawn.

The sudden and excessive fattening of breeding cattle is an injury to them and a serious one.

Judges ought not to award premiums to breeding cattle if they are extremely fat.

"We cannot have too many sheep—or at least are not likely ever to have too many—of the right sort," says The Ohio Farmer.

The display of beef cattle prepared for the county and state fairs this fall is unusually fine and attractive. It shows that the beef cattle interest is looking up.

Once more hog cholera has descended on the stockmen at Waterloo, Ia., for one place.

The mission of pure bred beef cattle is to bring up the common stock of the country so that a fat 3-year-old steer shall weigh 1,300 pounds instead of 800 or 900. Pure bred bulls will work the change to a great extent.

No hog in any country can compare to the real American hog of long descent. The best English breeds show defective points alongside of him.

A hog breeder says he has this summer the finest show of spring pigs he ever had, and he lays it to the fact that he did not overcrowd either sows or pigs with food until the young animals were 4 to 6 weeks old. Then he gave them all they wanted.

In the butchers' trade there is one grade of beef cattle known as "sausage bulls."

How a Caterpillar Eats.

The caterpillar feeds with two saw-edged jaws, working transversely, and uses them to such good advantage that he eats three or four times his own weight every day. Toads, tortoises, turtles and most lizards have no teeth. Frogs have teeth in their upper jaw only. Anteaters, sloths and armadillos have no teeth.—New York World.

RAILROADS.

Utah Central Railway

TIME TABLE.

In Effect April 1st, 1891.

Passenger Trains will Run Daily, between Salt Lake and Park City, as Follows:

SALT LAKE CITY.

Train 1 leaves cor. South & Main St. at	[illegible]
" [illegible]	[illegible]
" [illegible]	[illegible]

PARK CITY.

Train 1 arrives at Park City	[illegible]
" [illegible]	[illegible]
" [illegible]	[illegible]

Office and Depot corner 8th South and Main Street.

T. J. MACKINTOSH, G. F. & P. A.

Rio Grande Western Railway.

STANDARD GAUGE.

CURRENT TIME TABLE.

In Effect Saturday, August 1, 1891.

EASTBOUND TRAINS.	No. 2.	No. 4.	No. 6.
[illegible]	[illegible]	[illegible]	[illegible]

WESTBOUND TRAINS.	No. 1.	No. 3.	No. 5.
[illegible]	[illegible]	[illegible]	[illegible]

LOCAL SERVICE. [illegible]

J. H. BENNETT, [illegible] Gen. Pass. & Ticket Agt. Gen. Manager.

SCENIC LINE OF THE WORLD!

THE

Denver & Rio Grande Railroad

TWO SUPERBLY EQUIPPED TRAINS DAILY

TRAVERSING THE

GRANDEST SCENERY OF THE ROCKIES

Glenwood, Aspen, Leadville, Pueblo, Colorado Springs and Denver.

Pullman Sleeping Cars, Pullman Tourist Sleeping Cars, Chair Cars Free, Open Observation Cars, Elegant Day Coaches.

For further information call on or address W. J. SHOTWELL, General Agent, 18 W. Second South St. A. S. HUGHES, Traffic Manager, Denver, Colo. H. SMITH, Gen. Manager. S. K. HOOPER, G. P. & T. A.

THE CRY OF MILLIONS

OH, MY BACK!

STOP IT NOW. SOON IT WILL BE TOO LATE.

I have been troubled many years with disease of the kidneys and have [illegible] of [illegible] GERMAN KIDNEY TEA [illegible] as I have been.

G. A. TUPPER, Proprietor Occidental Hotel, Santa Rosa, Cal.

NO MORE BACKACHE

Sold Wholesale and Retail by Johnson, Pratt & Co.

Graefenberg PILLS.

They cure Headache, Biliousness, Liver Complaint and Indigestion. No griping or nausea. These

PILLS

Tone up the system and restore health to those suffering from general debility and nervousness. Sold by all druggists. 25c. per box.

Best for Women.

GRAEFENBERG CATHOLICON

Cures all forms of Female complaints, weakness, nervousness and general debility. Sold by all druggists.

Z. C. M. I. Drug Dept, Wholesale Agt.

ADVICE TO MOTHERS.

MRS. WINSLOW'S SOOTHING SYRUP should always be used for children teething. It soothes the child, softens the gums, allays all pain, cures wind colic, and is the best remedy for diarrhoea. Twenty five cents a bottle.

BARTON & CO

PLEASE NOTE. WE HAVE

REMOVED

BACK TO OUR OLD STAND,

43 and 45 MAIN STREET.

We invite our Friends and Patrons to call and inspect our Stock of

Clothing, Hats and Gents' Furnishings

ALL NEW SINCE THE FIRE.

BARTON & CO

43 and 45 MAIN STREET.

FRASER & CHALMERS, CHICAGO

L. C. TRENT, General Western Manager, } Salt Lake City, Utah, Helena, Montana

MINING MACHINERY,

JIDGERWOOD HOISTING ENGINES,

ELECTRIC MOTORS

Electric Light Plants,

ENGINES, BOILERS, ELEVATORS, SAW MILLS,

LOCOMOTIVES, STEAM MOTORS.

[illegible] [illegible] [illegible]

STAR BLOCK.

The PUBLIC are invited to [illegible]

UNION MEAT MARKET,

No. 54 E. FIRST SOUTH STREET,

WHERE THE CHOICEST MEATS OF THE SEASON ARE KEPT IN THEIR FINE REFRIGERATOR AND WARRANTED FRESH AND JUICY.

UNION MEAT MARKET CO., Prop'rs.

WHAT IS A GUARANTEE?

Many merchants and salesmen are in the habit of indiscriminately "guaranteeing" their wares with no thought of being called upon to make the "guarantee" good. It is a pernicious and foolish custom more respected in the breach than in the observance.

A guarantee, to have any value, should be made with knowledge of the meaning of the word and a set purpose to carry out the terms of the guarantee. On that basis the makers instruct us to warrant, and we replace any tool found imperfect in use.

We have used our best judgment, acquired by a considerable experience, in selecting the following items for our stock and sell them to our customers with an absolute guarantee that if they do not prove to be all that we represent them, we will refund the purchase money in full.

"Jewel" Steel Range. A finished article, perfectly proportioned, made of the best material. Don't fail to see it. It will pay you.

"Quick Meal" No Generator, Evaporating. Light it as you do your gas burner. No smell. No danger. No complication. Every objection to the use of a Gasoline Stove done away with. Think of the discomfort missed in Summer by avoiding the heat of a big Kitchen Range.

"Superior" Cooks and Ranges. Superior as bakers. Superior in economy of fuel. Superior in design. Superior in construction. Superior in everything that goes to make a perfect cooking apparatus.

The "Foote Refrigerators." An Ice saver. A Health promoter. Cellular stone lined. What is that? Investigate it. It will more than repay you.

Our stock of Builders' Hardware, House Furnishings, Garden Hose, Lawn Sprinklers, Lawn Mowers, etc., is complete in every detail.

E. C. COFFIN HARDWARE CO., Progress Building.

FOR SALE BY

Z. C. M. I., Sole Agents in Salt Lake City

ALMOST ∴ HERE!

The undisputed and unapproachable

ADAM FOREPAUGH SHOWS

Will exhibit afternoon and night, at the usual hours [illegible]

SALT LAKE CITY

Thursday and Friday,

SEPT. 24 AND 25

[illegible] largest, [illegible] and richest tented exhibition in the whole world. [illegible] 3 Menageries, Wild West, Hippodrome, Trained Animals.

Three Rings and Grand Elevated Stage.

[illegible]

HANLON VOLTERS.

100 TRAINED WILD BEASTS and 6 LIONS All Let Loose.

[illegible]

HUGE ROMAN HIPPODROME

[illegible]

MENAGERIE

[illegible]

REALISTIC WILD WEST!

[illegible]

$3,000,000 INVESTED. DAILY EXPENSES, $5,500. 4 RAILWAY TRAINS.

THE ADAM FOREPAUGH SHOWS

[illegible] Druehl & Franken's Drug Store, S. E. Cor. Main and Third Streets South.

A Warning

To Horse-Owners.

The Split Nail in this Shoe [illegible] which it was recently taken to Worcester, Mass. One point of the nail came out in the proper place for clinching, and so deceived the blacksmith who shod the horse. The other point went in the direction shown in the illustration, piercing the tender part of the foot called the "quick," from which the horse was made unfit for use nearly two weeks.

[illegible] DANGEROUS [illegible]

The Putnam Nail

CANNOT SPLIT, SLIVER OR BREAK.

It is the only Hot Forged and Hammer-Pointed Horseshoe Nail in the World made by machinery to precisely the same manner as the old-fashioned hand-made nail.

The United States Government protects the process of their manufacture through patents, and other firms who make or advertise a Horseshoe Nail as here described, are guilty of infringement and deceiving the Public.

AS YOU VALUE YOUR HORSE insist on your Blacksmith using the PUTNAM. It is absolutely safe.

For sale by all dealers in Horseshoe Nails. Sample free by mail. Mention this Paper.

Putnam Nail Co., Neponset, Boston, Mass

$500 Reward!

We will pay the above reward for any case of Liver Complaint, Dyspepsia, Sick Headache, Indigestion, Constipation or Costiveness we cannot cure with West's Vegetable Liver Pills, when the directions are strictly complied with. [illegible] THE JOHN C. WEST COMPANY, [illegible] Sold by Johnson, Pratt & Co., Druggists, Salt Lake City.

CALIFORNIA POSITIVE NEGATIVE ELECTRIC LIQUID CURES CATARRH

Rheumatism, Neuralgia, Corns, HEADACHE, and ALL PAIN. The California Positive and Negative ELECTRIC COUGH CURE CURES COLDS, CROUP, CONSUMPTION.

PERSONAL.

Ladies suffering from any form of Female Weakness will find a sure cure in "Orange Blossom." For full particulars call on the General Agent, 125 West Third South Street, Salt Lake City.

F. AUERBACH & BRO.

We are now showing our Advance Consignment of

NEW FALL GOODS!

You are invited to examine our EARLY FALL STYLES and FASHIONABLE NOVELTIES. We are determined to interest you, and have made our prices the "proper thing."

SILK AND DRESS GOODS DEPARTM'TS

Grand Opening of Fall Purchases in NEW SILKS and DRESS GOODS.

25 different shades of Faille Francaise, worth $1.35, at $1.00.
32 pieces of Changeable Surahs, worth $1.00, at 75c.
35 pieces of Polka Dots and Two-Toned Brocades, worth $1.75, only $1.25.
Dress Goods at 10c. per yard, considered cheap at 20c.
50 pieces 27 inch Black Cashmere, at 12½c., well worth 25c.
40 pieces 38 inch All Wool Plaid, at 35c., sells regularly at 50c.
25 pieces of 32 inch Novelty Plaids, at 12½c., usual price 30c.
25 pieces double width Tricots, at 37½c., worth 60c.
50 pieces 40 inch pure Mohair, in all the new fall colorings, at 25c. These goods are worth 50c.
50 pieces of 52 inch Ladies' Cloth, at 35c.
50 pieces of 54 inch All Wool Ladies' Cloth, to make shelf room, will be sold at 45c.

DOMESTIC DEPARTMENT.

60c. French Flannel at 35c.	85c. French Flannel at 45c.
15c. Shaker Flannel, 15 yds. for $1.00.	$1.50 Honeycomb Quilts, at $1.00.
$1.75 Damask Quilts, 1½ yds., at $1.25.	$4.75 extra Marseilles Spreads, at $2.65.
Large Satine Comforters, $1.50.	

TO OPEN OUR BLANKET SEASON

We will sell $10.00 White California Blankets at $7.50. $3.00 All Wool Filled Blankets at $2.10. $5.00 Scarlet Blankets, $3.75. $2.00 Grey Blankets, $1.20.

A SPECIAL CHANCE! 1 lot of Sample Blankets, slightly soiled, carried over from last season, to close at LESS THAN COST!

LACES! LACES!

THE SALE OF LACES DAILY GROWS LARGER.

85c. Chantilly Lace at 45c.	$1.00 Chantilly Lace, at 60c.
$1.25 " " 85c.	$1.50 " " 75c.
$2.00 " " $1.00.	$2.50 " " $1.25.

55c. It is really surprising that 55c. will buy such exquisite Drapery Net. Also $1.35 Drapery Net, 75c.

95c. Over 100 Dress Patterns in all Silk Drapery Net, some of them worth $3.00 per yard, for 95c. per yard.

We extend all a Cordial Welcome to our establishment.

F. Auerbach & Bro