THE FARMING WORLD.

LETTUCE IN POTS.

A Method of Forcing That Has Been Practiced with Success.

The method of forcing lettuce in pots may be of interest to those who grow lettuce under glass either in the amateur way or as a commercial product.

The preparation of soil for lettuce should not be too heavy. It should be composed of three parts by measure of loam, one of manure and one of sand.

The seed is sown in boxes about 12 by 10 inches and three inches deep, or on the bench. Benches are six inches deep, the lower three inches being filled with well-rotted manure, and the upper three inches with potted soil prepared as described above.

When the plants are about two inches high they are transplanted to two-inch pots. The benches are filled with soil, in which the pots containing the lettuce are plunged, so that the tops of the pots are covered with about half an inch of soil. A little drainage material is put in the bottom of each pot. The plants are usually set on the benches about ten inches apart each way. The

LETTUCE GROWN IN A POT.

roots soon fill the pot and grow out into the soil of the bench through the drainage hole in the bottom of the pot. Being thus buried in the soil the little pots do not dry out as rapidly as they would do were they exposed to the air.

The moment a pot is removed from the bench another may be set in its place without waiting to clear the bench, or any portion of it, of the rest of the lettuce. The method thus proves economical, both of time and space.

Growers and other retail dealers readily appreciate the advantage of having lettuce grown in this way. It permits them to keep the lettuce on hand for a considerable length of time and still present it to their customers crisp, fresh and attractive, instead of wilted and unattractive.

When the plant is ready for market it may be knocked out of the pot and the ball of earth and roots undisturbed may be wrapped snugly in old paper. The earth will thus keep moist for a long time and furnish moisture to the plants through the roots which are imbedded in it. Local customers may be supplied with lettuce in the pots, and the pots returned after the plants are taken from them.

While the subject of forcing is thus under consideration, a few hints on the care of a crop may not be amiss. (1.) The temperature should be kept down to from 50 to 60 degrees during the day and from 45 to 50 degrees during the night. Plant lice become more troublesome in a high temperature. (2.) As much ventilation should be given as possible, but still keep the temperature within the range mentioned. (3.) So far as possible water only on bright, sunny days, preferably early in the day.

The varieties of cabbage lettuce are Big Boston, Salamander, Drumhead, Henderson's New York (curled), Golden Ball (dwarf), Golden Queen (dwarf). The variety of loose heads are Grand Rapids (curled), Hanson (curled), New Iceberg (curled), Prize Head (curled). —Ella M. Hess, in N. Y. Tribune.

ALL AROUND THE DAIRY.

A dirty milker will injure the flavor of the butter.

Milk that is drawn in an unventilated stable cannot escape taint.

Let plenty of fresh air into the churn after it is used and cleaned.

Boiling, and not warm, water should be used in cleaning the churn.

Bran and shorts should be bought at once. They will not be lower.

The patron should do his full part to make the creamery a success.

Whistle when you milk, if you can whistle well. The cow likes music.

If your butter is only fit for the country store barrel, don't make butter to sell.

The dairy barn ought to be a convenient structure, built so as to save steps and labor.

The cow that eats a good deal gives a good deal of milk, as a rule. Feed her all she will eat.

The little things, such as brushing off the cow before milking and making her contented, are what pays in the dairy.—Western Plowman.

Harvesting Weedy Potatoes.

That sins of neglect will follow a man until he is duly punished is never more conclusively proven than when the neglected potato field comes to be harvested. Not only is the crop greatly lessened, but the labor of harvesting has been increased. As a matter of fact, the farmer who can and does keep his potatoes free from weeds saves labor by the operation. Sooner or later the weeds have to be uprooted. It costs less to do this while they are small. If done then the yield of marketable tubers is so much increased and the expense of harvesting is decreased, so that it really costs less to harvest a large crop kept free from weeds than to harvest a crop failure made so because overrun with weeds.

Working Convicts on Roads.

North Carolina's system of working convicts on the roads has, it is alleged, rid the state of tramps, as well as proved profitable to all who use the roads. The state law gives magistrates the option of sentencing prisoners to road-building.

OLD FRUIT TREES.

Autumn Is the Best Season in Which to Renovate Them.

In the fall is one of the best times to begin renovating trees that have been neglected and are not too old. In a majority of cases feeble growing and unhealthy trees are as a rule the result of starvation, bad soil or unfavorable conditions. In many cases remedial treatment will convert into thrifty, vigorous trees.

One of the surest signs of debility in a tree is the pushing out of adventitious growths from the trunks and main branches, and the dying off year by year of the small, twiggy, terminal shoots.

When the land has been seeded to grass for a considerable time and especially when no manure has been applied, trees will begin to show signs of unthriftiness.

Plowing the ground in good season in the fall, giving the trees a good pruning, and then before severe cold weather sets in applying a good dressing of manure; scattering broadcast as far out under the trees as the branches extend.

When the tree is healthy the top is luxuriant, but if the tree gets weak or old the top makes but little growth if it does not die.

In pruning all of the dead or decaying limbs should be cut out, and sufficient growth to leave an open head. In many cases proper pruning and manuring will be all that is necessary to revive a reasonably young tree. When a tree is dying of old age very little can be done to sustain the lowering vitality.

In some cases trees are unthrifty for want of proper drainage. If water stands around the roots the tree will not make a healthy growth and providing proper drainage is, of course, the proper remedy.

A little needed work in the orchard done in good season in the fall will often make an orchard that has been in a great sense a failure, a source of profit.—N. J. Shepherd, in Farmer's Voice.

MUSHROOM CULTURE.

How to Grow the Toothsome Fungi in Baskets or Boxes.

Mushroom growing in summer requires as indispensable conditions a cool, moist atmosphere and a dark place from which flies may be excluded. The breeding of maggots in the mushrooms, as soon as summer weather begins, renders the culture unprofitable under ordinary conditions. A cool, dark underground cellar, however, may be used for mushrooms, and the basketful depicted in the cut, reproduced from the London Gardening Illustrated, was grown under these conditions. The basket was filled with prepared manure, firmly packed, mounded up in the center, covered with loam, and then spawned like an ordinary bed. Amateurs growing mushrooms in small quantities

MUSHROOMS GROWN IN BASKETS.

would find baskets or boxes very convenient for handling and an economy of space. The general treatment is the same when grown in ordinary beds.

About four years ago, scientific attention was given, for the first time, to a very distinct variety of mushroom raised for market by a Long Island grower, who found it especially suitable to summer culture. This mushroom, Agaricus subrufescens Peck, was rather coarser in appearance than the variety ordinarily grown (Agaricus campestris) and different in color, the gills being of a rusty-reddish tint. The new mushroom proved to be of an excellent quality, a heavy yielder and very easily grown, flourishing in open frames outside. The only drawback to its culture was the fact that many purchasers objected to its unfamiliar appearance, fearing that it might be an unwholesome variety.—Rural New Yorker.

Don't Blame the Weather.

Don't blame the wet season for the condition of many of your roads. See that your candidates for local offices favor good roads, and then supply them with the information that will enable them to know how to get and keep them. Most people are all at sea on these subjects. The heavy rains of the summer have given startling object-lessons to road-builders and superintendents in some sections of the country. Roads that were nearly flat and which lacked proper drainage were swept over by the water. In some spots the surface was torn away; in others it was covered with stones and earth. This did not happen where roads were suitably crowned and drained.—L. A. W. Bulletin.

Gravity Creaming in Kansas.

Gravity creaming in the private dairy loses more fat than most farmers dream of. If ice is used at once after milking to reduce the water round the cans to about 40 degrees Fahrenheit the fat will rise, leaving not more than one-fifth of one per cent., and if the water is at 60 degrees or above one per cent. or more will be left in the skim milk. This one or more per cent. is a third or a half of all the fat in the milk. This suggests the putting up of ice by the private dairyman. The climate of Kansas provides for this and is a greater boon than many imagine.

Own the best dairy implements.

JUST PATENTED.

A new pocket-inhaler is shaped like a watch and has two outlets, fitted with screw stoppers and filled with an absorbent material, to be saturated with the medicament. A semi-circular thermometer is set in the front of the case and tubes are provided by which medical vapors may be applied to any part of the body.

For the purpose of aging liquors artificially a Kentucky man has invented an apparatus by means of which the liquor, after being placed in an air-tight receptacle, is brought to a temperature of about 145 degrees and then cooled to the freezing point of water by means of a refrigerant gas which is forced through the pipes of the receptacle.

To accurately determine the duration of dyeing, cooking, photographic printing, etc., a new clock is set in a frame to suspend trays over the vessel used. The material to be treated is placed in the tray and held in the bath until the proper time has elapsed, when the clock releases a spring, which winds up a cord on a shaft and lifts the tray.

Pneumatic tires can be kept inflated even when punctured by a new automatic pump, which is mounted on the rim of the wheel, and has a piston rod running through the valve and attached to a plate inside the tire to be depressed and operate the pump at every revolution, the length of the piston stroke varying as the tire is hard or soft.

A single overhead wire is used to drive the cars on a double-track road by means of a new trolley-pole consisting of a base set in the roof of the car to support the pole at an angle with the roof. The other end of the pole carries a vertical contact rod, having rotatable disks at the top and bottom to guide it on the wire, with a projection on the inner pole to allow the outer pole to slide over it when the cars pass each other.

One of the newest governors for steam engines is mounted in the interior of a casing on the steam pipe and is composed of a shaft journaled in the casing, with a spiral flange on one end to cause the shaft to revolve as the steam passes through the pipe. A yoke is attached to the shaft at one end and fastened to a sliding collar at the other end, with a weight in the center to spring outward as the shaft revolves and regulate the size of the steam inlet.

FACTS AND FIGURES.

It is estimated that Australia contains nearly 7,000 species of plants not known elsewhere.

Glass was early known. Glass beads were found on the bodies of mummies over 3,000 years old.

The distance of the earth from the sun is about 3,000,000 miles less in December than it is in June.

The Bible was written by degrees during a period of 1,600 years. It was anciently called "the Books," but for the past 700 years the "Bible."

Quinine is made from Peruvian bark —the outer part of a medicinal plant called cinchona. It was so named from the wife of Count Cinchon, of Peru, in the seventh century, who, by its use, was cure of intermittent fever.

The scent of the camel for water is said to be very keen. He can smell it a great way off, and oftentimes the travelers who are suffering for water will let the camel take his own way, and he will take them to a place where water may be found.

The eyes of bees are made to see great distances. When absent from their hive they go up in the air until they see their home, and then fly toward it in a straight line and with great speed. The shortest line between two places is sometimes called a "bee-line."

If any one were to undertake to walk, one way only, through the streets of London, he would be obliged to go a distance of 2,600 miles, or as far as it is across the American continent from New York to San Francisco. This will give an idea of the distance one would have to go to see thoroughly even the greatest part of the city of London—the largest city in the world.

LITERARY LITTER.

The Jucklins, dramatized for Stuart Robson, comes out in a German edition this season.

THE MARKETS.

NEW YORK, October 28, 1897.			
CATTLE—Native Steers	$4 10	@	$5 10
COTTON—Middling	6	@	6¼
FLOUR—Winter Wheat	3 75	@	5 25
WHEAT—No. 2 Red	....	@	1 01⅝
CORN—No. 2	....	@	31½
OATS—No. 2	....	@	22¾
PORK—New Mess	9 25	@	10 00
ST. LOUIS.			
COTTON—Middling	....	@	5¾
BEEVES—Steers	3 25	@	5 10
Cows and Heifers	2 50	@	4 25
CALVES—(per 100 lbs)	5 00	@	6 00
HOGS—Fair to Select	3 40	@	3 70
SHEEP—Fair to Choice	2 75	@	4 00
FLOUR—Patents	4 80	@	4 90
Clear and Straight	4 10	@	4 60
WHEAT—No. 2 Red Winter	....	@	98¾
CORN—No. 2 Mixed	....	@	25⅞
OATS—No. 2	....	@	18¾
RYE—No. 2	42	@	44
TOBACCO—Lugs	3 00	@	8 50
Leaf Burley	4 50	@	12 00
HAY—Clear Timothy	7 00	@	10 00
BUTTER—Choice Dairy	16	@	20
EGGS—Fresh	....	@	13
PORK—Standard (new)	....	@	8 25
BACON—Clear Rib	....	@	5¾
LARD—Prime Steam	....	@	4¾
CHICAGO.			
CATTLE—Native Steers	4 00	@	5 25
HOGS—Fair to Choice	3 25	@	3 90
SHEEP—Fair to Choice	2 25	@	4 50
FLOUR—Winter Patents	4 80	@	5 00
Spring Patents	4 90	@	5 00
WHEAT—No. 2 Spring	87½	@	89¼
No. 2 Red (new)	95½	@	96½
CORN—No. 2	....	@	24⅞
OATS—No. 2	....	@	18½
PORK—Mess (new)	7 75	@	7 80
KANSAS CITY.			
CATTLE—Native Steers	4 00	@	5 10
HOGS—All Grades	3 40	@	3 87½
WHEAT—No. 2 Hard	82½	@	86
OATS—No. 2 White	19	@	19½
CORN—No. 2	22½	@	22¾
NEW ORLEANS			
FLOUR—High Grade	4 50	@	5 10
CORN—No. 2	36	@	36½
OATS—Western	25½	@	26
HAY—Choice	13 00	@	13 50
PORK—Old Mess	....	@	8 25
BACON—Sides	....	@	6
COTTON—Middling	6	@	6⅛
LOUISVILLE.			
WHEAT—No. 2 Red	95	@	96½
CORN—No. 2 Mixed	25	@	26½
OATS—No. 2 Mixed	20½	@	21⅝
PORK—New Mess	9 00	@	9 75
BACON—Clear Rib	6¾	@	6⅞
COTTON—Middling	....	@	6⅛

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We offer One Hundred Dollars Reward for any case of Catarrh that can not be cured by Hall's Catarrh Cure.

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Hall's Family Pills are the best.

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"Pusher is furious."

"What's the matter?"

"He was arrested on suspicion of being a scorcher."

"Well—isn't he?"

"No; that's a baby-buggy stoop he wears."—Detroit Free Press.

Slightly Marked Down.

"Does she really belong to the 400?"

"Um—well, I should call her about three-ninety-eight."

The feminine intellect is prone to subtle distinctions.—Typographical Journal.

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Ask your grocer to-day to show you a package of GRAIN-O, the new food drink that takes the place of coffee. The children may drink it without injury as well as the adult. All who try it like it. GRAIN-O has that rich seal brown of Mocha or Java but it is made from pure grains, and the most delicate stomachs receive it without distress. 1-4 the price of coffee. 15c and 25 cts. per package. Sold by all grocers.

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Every man thinks his credit is good.—Washington Democrat.

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Floored Again.

Mr. Hicks—A burned child dreads the fire, you know, Melissa.

Mrs. Hicks—Well, that's where a burned child has the advantage over a man who bets on horse races.—Cleveland Leader.

Crippled, on crutches, from a sprain. Used St. Jacobs Oil. Well again.

Some folks enjoy nothing so much as going around talking suspiciously about their neighbors.—Washington Democrat.

Good Old Granny Metcalfe,

88 years old, living at Paducah, Ky., says that Dr. Bell's Pine-Tar-Honey is the best grip cure, cough, lung, and bronchial remedy that has been sold during her life.

Into the Secret.

She—Why do you never compliment me on my complexion now that we're married? I've got it still.

He—Yes, but now I know where you got it.—Yellow Kid Magazine.

The muscles stiff; body sore, a sure Cure for it in St. Jacobs Oil.

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To Cure a Cold in One Day

Take Laxative Bromo Quinine Tablets. All druggists refund money if it fails to cure. 25c.

A woman is unhappy all summer because she can't buy every pretty shirt waist she sees.—Washington Democrat.

After six years' suffering, I was cured by Piso's Cure.—Mary Thompson, 29½ Ohio Ave., Allegheny, Pa., March 19, '94.

Lots of men would like to get a pension, but not nearly so many want to go to war.—Washington Democrat.

To Cure a Cold in One Night

take Dr. Bell's Pine-Tar-Honey. It clears the throat, soothes the bronchials and exhilarates the lungs. 25c at all druggists.

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Towne—But his wife is with him now.—Truth.

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Interview With Mrs. B. A. Lombard.

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I had been in my usual health, but had worked quite hard. When my monthly period came on, I flowed very badly. The doctor gave me medicine, but it did me no good. He said the flow must be stopped if possible, and he must find the cause of my trouble.

Upon examination, he found there was a Fibroid Tumor in my womb, and gave me treatment without any benefit whatever. About that time a lady called on me, and recommended Lydia E. Pinkham's Vegetable Compound, said she owed her life to it. I said I would try it, and did. Soon after the flow became more natural and regular. I still continued taking the Compound for some time. Then the doctor made an examination again, and found everything all right. The tumor had passed away and that dull ache was gone.—MRS. B. A. LOMBARD, Box 71, Westdale, Mass.

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Culture's Coadjutor.—"What an air of well-bred repose young Newrich has." "Yes; but he was naturally lazy to begin with."—Chicago Record.

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that kill are not distinguished by any mark or sign from coughs that fail to be fatal. Any cough neglected, may sap the strength and undermine the health until recovery is impossible. All coughs lead to lung trouble, if not stopped. Dr. Ayer's Cherry Pectoral Cures Coughs.

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