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THE FARM.

To raise mountain ash trees from seed the Globe says: In the fall pack the seed away in a box in alternate layers. one inch of seed and one inch of sand, and bury the box under the surface of the ground. In the spring, as early as possible, sow the seed in well drained soil, containing sand if practicable-The drills should be a foot apart, and not over two or three inches deep; it is better to err on the side of shallowness than in the opposite direction. The ground should be manured but not too freely. In the Fall thin out the plants, and either then or in the following spring transplanting may be attended to. The usual attention to prevention of the scorching of the young plants or the packing of the soil around them, should not be neglected.

Peas and oats are the very best green crop to turn under for the purpose of preparing the land for Fall

A French chemist reports that water made slightly salt, and to which, when boiling, bran in the proportion of one quart to every gallon has been added, has been found in a series of experiments to increase the yield of milk twenty-five per cent, if given to the cows in their ordinary drink.

Put warm drink in the poultry house these cold mornings. We hardly think the change will cause intoxication, unless it be of joy. If they have the water warm in the morning, with a little cayenne pepper put in to keep it so, it will be very grateful to the birds, and is a beneficial corrective as well, while such " peppered drinks " will not congeal so quickly as water will without it, in the coldest weather. Don't forget this. It pays.

CARE OF HORSES .- Never allow any one to tickle your horse in the stable. The animal only feels the torment and does not understand the joke. Vicious habits are thus easily brought on.

Never beat the horse when in the stable. Nothing so soon makes him permanently vicious.

underneath as well as on top.

To procure a good coat on your horse, use plenty of rubbing and brushing. Plenty of "elbow grease" opens the pores, softens the skin, and promotes the animal's general health.

Never clean a horse in the stable. The dust fouls the crib, and makes him loathe his food.

Use the curry-comb lightly. When used roughly it is a source of great

Let the heels be well brushed out every night. Dirt if allowed to cake in, causes grease and sore heels.

Whenever a horse is washed, never leave him till he is rubbed quite dry He will probably chill if neglected.

Let the horse have some exercise every day. Otherwise he will be liable to fever or bad feet.

Let your horse stand loose, if possible, without being tied up to the manger. Pain and weariness from a continued position induce bad habits and cause swollen feet and other dis-

THE HOUSE.

When an old ingrain carpet has been turned inside out and upside down until it is no longer presentable, have it cut, sewed, and woven like rag-carpet. It then makes a good rug for the middle of a floor much used, as a dining-room or nursery. It is heavy enough to hold its place, and yet can be taken up frequently and shaken. The uncovered part of the floor can be painted in some pretty serviceable color at small expense.

be kept bright when almost worn out if, after washing it, you take a flannel cloth and dip a corner of it in kerosene. and rub the oilcloth with it. Of course a very little oil goes a great way, and care must be taken not to use too much.

CARE OF A GOSSAMER. - There is danger, as many have found to their sorrow, of a gossamer waterproof, cracking when stiffened by cold; so before putting it on, in severe weather, warm t before the fire, both outside and in, and this danger is averted.

TO MAKE STEAK TENDER .- Put three tablespoonfuls of salad-oil and one of vinegar, well mixed [together on a large flat dish, and on this lay the steak. Salt must never be put on steak before it is cooked. The steak must lie on this tender-making mixture for at least half an hour to a side; the toughest steak will succumb to this,

RICE FRITTERS .-- If you have plain, boiled rice for dinner, and have a little left, it is by no means necessary that this should be thrown away: it will help to make delicious fritters; add milk and flour and one egg for the batter; if you have fruit to put in, so much the better; drop by spoonsfuls in hot lard and fry till a delicate brown; a little sugar in the batter helps to give it a brown tinge.

BAKED CODFISH is an excellent breakfast dish. Cut the fish in small pieces, and let it soak all night in cold water; in the morning pick it in shreds, and let it simmer on the stove until it is tender, then draw off the water, and to one-third of mashed potatoes put two-thirds of fish; stir it so that the potato will be evenly distributed. Bake until it is a rich brown on the top; serve with a sauce of drawn butter, in which cut two hard-boiled eggs .-Housekeeper.

going to bed have a kettle of hot water ready. Put some in a shallow tin and hold the frosted part of the foot in it -not the whole foot, but one frosted part after another-for ten or twenty minutes, keeping the water just as hot as you can bear it. Then pour a little cold water over the frosted parts and thoroughly rub them dry. Follow this plan three nights, have shoes good size, and the cure is effectual.

A CURE FOR CORNS.-Take onetourth of a cup of strong vinegar; crum an hour, or until it softens into a good poultice. Then apply on retiring at night. In the morning the soreness will be gone, and the corn can be picked out. It the corn be a very obstinate one Let the horse's litter be dry and clean it may require two or more applications to effect a cure.

A VERY APPETIZING SALAD is made by chopping coarsely some cold boiled potatoes; then season well with salt pepper and mustard; line a salad dish with fresh lettuce, then put in a layer of potatoes; on the top put a layer of cold boiled beets, also chopped and seasoned; garnish the dish liberally with lettuce, and just before sending it to the table, add vinegar, plain or with ordinary salad-dressing.

SCIENCE.

PETROLEUM IN 1882, AND THE OUTLOOK.—The last year has been nearly 3,000,000 tons. altogether the most extraordinary one in the history of the oil busi- ness from eight to twenty inches, ness. It has exhibited, among and, owing to the low condition of

production 2. The most sudden year cost from 4 to 7 cents less per development of the richest pool ever | ton than last year. Notwithstanding | Old. discovered. 3. The largest and the cry of short crop last winter, most sudden decline in daily pro- about 100,000 tens remained in duction ever known.

We began the year with a daily the year. production of about 76,000 barrels. By the opening of the Cherry Grove field, we increased this daily Washington monument reports that output in the month of July to it reaches a height of 340 feet. 105,000 barrels, the largest daily production ever reached. In the month of July the Cherry Grove wash nicely four quarts of cranberfield yielded about 30,000 barrels ries, and put them in a percelain daily; it then became defined and kettle. Give them cold water, but reached its height. From this not enough to cover them, and stir time it began to decline, first mod- often. When stewed to a pulp, of the year, when its daily yield will sift inice seeds and pulp leav.

FIDDLES, FIFES. FLUTES, ACCOR DEONS, CONCERTINAS, &c. of the year, when its daily yield will sift juice, seeds and pulp, leavwas less than 4,000 barrels. The ing only the skins; turn the sifted general decline in daily yield, portion back into the kettle, stir in chiefly caused by the decline in three or four cups of sugar, and CARE OF OILCLOTH.—Oilcloth may Cherry Grove, has continued, until boil gently ten or fifteen minutes. at the end of the year it reached The less water and more sugar, the 61,210 barrels.

The average daily production for in a shallow dish helps the process. the year was 82,000 barrels, so it will be seen that the production at the end of the year is considerably below the average for the year. The average daily shipments for the year were about 60,000 barrels. These shipments may be treated as entirely gone to consumption, and in this view they fairly indicate the extent of consumption for the

The present daily average production is nearer the daily average consumption than it has been at any time in the past five years. The conditions in the producing field have also undergone a phenomenal change during the year. The Bradford and Richburg fields (which had been by far the largest in area and permanency that we and be perfectly tender when cooked. have ever had) now exhibit unmistakable evidence of depletion and exhaustion; and the fewness of the new wells now drilling in these districts can only be accounted for by the fact that new ventures there do not promise to repay the investment. The only districts that can be looked to for supplying the trade for the present year are the Cooper Tract district and the Grandin Lease in Forest County, and the Bald ridge district in Butler County, but these districts combined cannot from their known character, be expected to maintain the decline occasioned by the depletion of Bradford and Richburg. Late drilling has already somewhat defined the Cooper Tract and Grandin Lease districts, and indicates the deposits to be limited 'pool' deposits; and the Bald Ridge district is already marked by dry holes in close proximity with the best wells, thus showing its spotted and uncertain character.

In our opinion, nothing but the discovery of a new district like that CURE FOR FROSTED FEET .- Before of Bradford, will give us a continued accumulation of stocks and the low prices we have had for several years past; and fortunately for the holders of stocks on such district, is at all indicated by any existing development .- Scientific American.

A FOUR-MILE DEPOSIT OF IRON ORE .- Public attention has just been brought to a deposit of carbonate of iron-siderite-extending a distance of four miles along the Hudson River, in Columbia County, and having a depth of eighteen feet, The control of this enormous body ble in some bread. Let it stand half of potential wealth has recently been acquired by a combination of prominent iron and steel manufacturers, who after careful investigation are convinced that the new deposit contains a volume of ore equal to that of the famous Cleveland mine in the north of England, which now yields something like 6,000,000 tons of ore a year. The ore is similiar in character, but superior in quality to the Cleveland ore. It is closely similiar to that of the great Luxembourg deposit in Belgium. The ore contains 48 per cent of iron 91 per cent of silica. one half of one per cent of sulphur, one-fortieth of one per cent of phosphorus.

> THE HUDSON RIVER ICE HARVEST. -The Hudson River ice crop of the season just closed is rated as one of the largest, if not the largest, Piano ever harvested. It amounted to

other things, these peculiar phases: the river when it froze over it is as 1. The largest volume of daily | clear as crystal. The housing this houses unsold at the beginning of

The engineer constructing the

CRANBERRY SAUCE .- Pick and nearer to jelly it will be. Cooling

A Boston correspondent writes: -"You want to know what kind of fruit an axle-tree bears. Why, nuts, of course; one on each end of the tree." We thought some felloe of the hub would be able to tell us.

How to have a book re-bound: throw it against the wall.

AYER'S Cherry Pectoral.

No other complaints are so insidious in their attack as those affecting the throat and lungs: none so trifled with by the majority of sufferers. The ordinary cough or cold, resulting perhaps from a trifling or unconscious exposure, is often but the beginning of a fatal sickness. AVER'S CHERRY PECTORAL has well proven its efficacy in a forty years' fight with throat and lung diseases, and should be taken in all cases without delay.

A Terrible Cough Cured. "In 1857 I took a severe cold, which affected my lungs. I had a terrible cough, and passed night after night without sleep. The doctors gave me up. I tried AYER'S CHERRY PECTORAL, which relieved my lungs, induced sleep, and afforded me the rest necessary for the recovery of my strength. By the continued use of the PECTORAL a permanent cure was effected. I am now 62 years old, hale and hearty, and am satisfied your CHERRY PECTORAL saved me. CHERRY PECTORAL saved me. HORACE FAIRBROTHER."
Rockingham, Vt., July 15, 1882.

Croup. - A Mother's Tribute. "While in the country last winter my little hoy, three years old, was taken ill with croup; it seemed as if he would die from strangulation. One of the family suggested the use of AYER'S CHERRY PECTORAL, a bottle of which was always kept in the house. This was tried in small and frequent doses, and to our delight in less than half an hour the little patient was breathing easily. The doctor said that the CHERRY PECTORAL had saved my darling's life. Can you wonder at our gratitude? Sincerely yours,

MRS. EMMA GEDNEY."

159 West 128th St., New York, May 16, 1882.

"I have used AYER'S CHERRY PECTORAL in my family for several years, and do not hesitate to pronounce it the most effectual remedy for coughs and colds we have ever Lake Crystal, Minn., March 13, 1882.

"I suffered for eight years from Bronchitis, and after trying many remedies with no suc-cess, I was cured by the use of AYER'S CHER-Byhalia, Miss., April 5, 1882. JOSEPH WALDEN."

"I cannot say enough in praise of AVER'S CHERRY PECTORAL, believing as I do that but for its use I should long since have died from lung troubles.

E. BRAGDON," Palestine, Texas, April 22, 1882.

No case of an affection of the throat or lungs exists which cannot be greatly relieved by the use of AYER'S CHERRY PECTORAL, and it will always cure when the disease is not already beyond the control of medicine.

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