the fowls do not become discouraged, the better. Cabbage, apples, beets and turnips make a variety for noon feed, and help to keep up the fowl's tone. Clover chaff, either scalded, as a part of the morning mash, or used as a part of the scratching litter is most excellent. Meat and cut bone have become an indispensable factor in the business hen's ration. Grit and fine oyster shells should be kept within reach.—[C. B. Cook, Oswego Co, N Y.

Cold Weather Care will depend largely upon the weather. If cold and largely upon the weather. If cold and snow abound, the fowls must be fed and watered regularly and provided with good shelter. If the chicken house was built with some window glass low down along the south side, fresh eggs ought to be plentiful now; in fact there has been no weather so far this winter which would keep hens from laying some eggs at least, if they have been well-treated with an, reasonable care Fred meat, green stuff, charcoal, gravel, etc, to keep the fowls in a thrift; condition. Also see that their quarters are clean and that the nests do not become foul. If there is any superfluous stock yet on hand it would better be fattened and dispused of as soon as possible. soon as possible.

Starlight Jr was the winner of six consecutive first prizes and never met defeat in open competition. His strong features were his stylish carriage, fine



Pair of La Fleche Fowls.

This breed is kept in large numbers as a market fowl in the v. sinity of Parls, but has never become very popular either in England or the U.S. They are good table birds, with flesh of extra file flavor and drey fatten remarkably well. The hen is a fairly good layer of large, white eggs and seidom offers to sit. Both sexes have a double horn-like comb which gives them a unique appearance. The drawbacks are lack of great hardness in a severe climate, and the dark color of skin, legs and pin-feathers.

mon breeds of fowls can be had of B. F. Greider, Florin, Pa.—F. E. S.: Poor success in hatching winter eggs is often caused by lack of exercise for breeding stock. Keep them scratching. Don't let them freeze their combs. Have spare let them freeze their combs. Have spare male birds and alternate avery few days.—S. T: White Cochins and other varieties can be had of C. C. Shoemaker, Freeport, Ill, or Charles Gammerdinger, Columbus, O, or J. R. Brabazo. Delavan, Wis.—H. Toner: Dubbing is cutting off comb and wattles quite close to the head. A chicken may be termed a cock or hen after 12 months old. The score card system was head parts and the strong striping in months old. The score card system was his backle and saddle. He was a bird introduced by I. K. Felch.—Mrs. T.: of good size and had what was and is very rare in Brown Leghorn males, time of year is usually caused by

even to-day, the nicely turned concaved back. He was the son of old "Starlight." himself a winner of no mean repute, and a brother of Worcester 4th, the sire of several winners in New York, Boston and other places.

Practical Queries—A. T. L.: The common breeds of fowls can be had of B. F. Greider, Florin, Pa.—F. E. S.: Poor success in hatching winter eggs is often caused by lack of exercise for breed-

The Difference in the expense of The Difference in the expense of feeding so as to get eggs and barely keeping fowls alive is small. In fact I think it takes more grain where they are allowed to roost in trees, as so many do. I have ccunted hundreds of chickens perched on tall trees this winter in the coldest weather. And I have seen quite a few in the snow, in fence corners, frozen to death, and their owners wondering why they got no eggs. ers wondering why they got no eggs. My early chickens will soon do for market.—[Mrs J. M. Wilson, Linn Co, In.



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Gardening Under Glass.

GROWING BULBS IN WATER.

There is a fascination about plants growing in water and many people raise by be in that way who otherwise would it take the trouble to grow them. Most people know of but one variety to grow in this way—the Chinese sacred lily—but almost all winter blooming bulbs are as easily grown in water as in soil, with the idded advan-

blooming bulbs are as easily grown in water as in soil, with the idded advantage that they make less dirt, flower in a much shorter time, have larger fin a much shorter time, have larger blossoms and remain perfect on the stalk a great deal longer.

As it is natural for plant roots to grow in darkness, it is best to keep them shaded, either by colored glass as in hyacinth glasses, or by providing sand and pebbles in which the roots may hide themselves. Narcissus, daffodil, ionquil and crocus bulbs may be planted in glass bowls with a half inch of sand in the bottom and enough pebbles to hold the bulbs in position when the heavy foliage has grown. Crocus bulbs may be planted in sphagnum moss without pebbles or sand. They should be started at different times to give a succession of bloom.

Those I have been most successful with are Paper White narcissus, double you Llon daffodil, Chinese sacred lily. Golden sacred lily and Mammoth flowered crocus. Hyacinths are planted in hyacinth glasses without sandor stones, the hollow in the top of the glass forming a support for the bulb so it cannot tip over. Water should only reach within a quarter of an inch of the base of the bulb, the new roots quickly pushing out to reach the water. In the glass bowls of bulbs the water should reach up half way of the bulbs. As soon as any of the bulbs are through flowering, they should be thrown out, as they

are seldom of ony use afterward.-Bernice Baker, Ill.

Lettuce Is Grown as a catch crop in many houses between tomatoes, melons, beans and cucumbers. Only the head varieties are wanted in market, but for home use the loose leaved sorts may be used. It will not be a well in a high temperature and where a business is made of growing it a house should be given over entirely to the

Sow a Few Seeds of the Chinese mustard along the edges of the beds. It is easily grown and makes good winter "greens."

Bhubarb May Be Forced in an ordinary house cellar. Dig up some plants after they have been frozen and transfer them to the cellar. They may be placed in barre's cut in halves or on the cellar floor and some loam packed around the roots. A little light and watering is the only attention required. Try it.

A Plot of Ground 3 x 6 ft, covered with a hotbed sash, may be made the most profitable piece of land on the most profitable piece of land on the whole farm. The amount of food which it may be made to furnish for the support of the family is surprising. A hotbed is too often regarded as a luxury, but it is easily within reach of the most humble farmer. Right through the dead of winter it may be made to produce radishes, lettuce, beets and carrots of a quality with which stored vegetables cannot be compared.

Steam vs Hot Water-Both have their advantages and disadvantages in heating glass houses. There is very lit-tle difference in the amount of soal re-

Hot water will maintain a autred. quired. Hot water will maintain a more uniform temperature with less attention to the boiler, but the pipes need to be laid pretty straight and with few angles and bends. Steam under low pressure can be carried further; angles and bends make no difference. It heats up the house quicker and it a slight pressure is maintained will keep an even temperature.

usou Soil for forcing vegetables may be made by mixing one load of well-rotted cow manure with three or four loads of rich loam. If it is a little pasty or heavy add some sharp sand to make it more porous and give better drainage, which will arevent its becoming sour and hard. This soil will do for forcing nearly all kinds of vegetables. Caud Soil for forcing vegetables may

Farm Wagon only \$21.95.

In order to introduce their Low Metal Warels with Wide Tires, the Empire Manufacturing Company, Quincy, Ill., have placed inpont the market in Farmer's Handy Waron that is only 25 inches high, fitted with 24 and 36 inch wheels with 4 inch tire, and sold for only \$21.96.



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