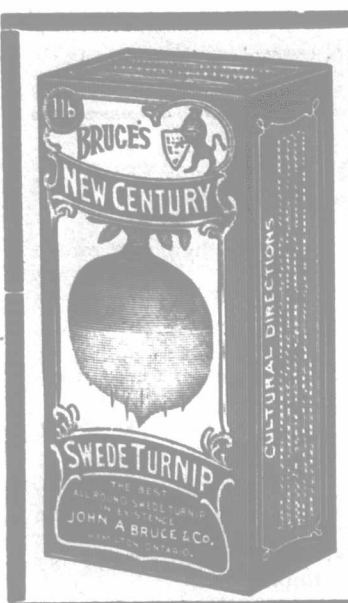




Bruce's New Century Swede Turnip.

Sales season 1901, when first introduced, 16 lbs.; 1906, 4,351 lbs.; 1908, 9,370 lbs. The best all-round variety. It is one of the few Swedes that resist mildew; the best shipping variety, and for cooking purposes cannot be excelled by any other Swede. It is a purple-topped variety resembling Wesbury, of splendid uniform growth, of fine quality, a heavy cropper, and roots are clean and of handsome shape. In sections where large quantities are grown for the American market, the growers and shippers will have no other. $\frac{1}{4}$ lb., 12c.; $\frac{1}{2}$ lb., 18c.; 1 lb., 30c.; 4 lbs., \$1.15. Postpaid.

Bruce's Mam. Inter. Smooth White Carrot.

Sales season 1891, when first introduced, 14 lbs., now 1,352 lbs. The best of all field carrots, and invaluable for horses. This grand half long carrot is of large size, solid, productive, of finest quality, a splendid keeper, and has the advantage of being much more early harvested than the old long varieties. $\frac{1}{4}$ lb., 17c.; $\frac{1}{2}$ lb., 33c.; 1 lb., 55c. Postpaid. Send for our handsomely-illustrated 100-page catalogue of Vegetable, Farm, and Flower Seeds, Plants, Bulbs, Poultry Supplies, Garden Implements, etc., FREE.

John A. Bruce & Co., Hamilton, Ontario.
SEED MERCHANTS. ESTABLISHED 1850.



QUESTIONS AND ANSWERS Miscellaneous.

MIXING WHITE PAINT.

Please give directions for mixing white paint for outside purposes. What quantities of oil, lead, turpentine, etc., should be used?

M. R. M.

Ans.—Satisfactory white paint for outside use is made from 15 pounds white lead, 2 pints raw linseed oil, 2 pints boiled linseed oil, $\frac{1}{4}$ pint of turpentine, and one-tenth pound of some standard drier. A clearer white is given by using a larger proportion of raw oil. For finishing coat more oil is used and no turpentine.

PLANTING CEDAR WIND-BREAK.

I intend planting a wind-break of cedars on west side of young orchard this spring. What is the proper time to plant; the distance apart in row, a single or a double row?

O. S.

Ans.—Cedars may be transplanted any time during May or June, if care is taken to avoid drying of the roots and to provide a liberal supply of moisture during the summer. After manuring and thoroughly working the strip of land on which the young trees are to be set to make the soil rich and mellow, frequent summer cultivation will keep down weeds and maintain a surface mulch that conserves the moisture. It is well to spread strawy manure or leaves around the trees. The planting should be regulated by the exposure, and according to the height you wish the break to attain. Norway spruce grow much faster, and also much larger than white cedar. A double row is more advisable than a single row. Under average conditions, two rows five or six feet apart, with trees six or eight feet apart in the rows, the trees of one row opposite the spaces of the other, are best. More complete protection would be provided earlier with a greater number of rows or thicker planting, but trees would have to be cut out later on. Some advise three rows, and, after a few years, remove the middle one.

PREPARING FOR ONIONS—FERTILIZERS.

1. I have clay loam ground that had potatoes in it last year. I wish to prepare it for onions, and will sow a pound of seed. Would disking, harrowing, and rolling and raking prepare it well enough for the seed?

2. Have read that it is better to use fertilizer instead of manure, on account of weed seeds. What kind of fertilizer would be required? When and how applied? How much would be required, and where can it be obtained?

L. W. H.

Ans.—1. The amount of labor required to prepare for onions depends on the soil condition. Unless it is a very heavy clay loam, the cultivation suggested should suffice, provided it was properly attended to during last season's potato crop. It will be necessary, however, to exercise your judgment as to when you have a reasonably compact, well-pulverized and mellow seed-bed.

2. Generally speaking, onions respond well to fertilizers rich in potash. The suggestion that manure is objectionable on account of weed-seed dangers is founded on fact; only well-rotted manure should be used for onion-ground, and in this case you would run little chance of weed-seed infection. There is no doubt but what a liberal dressing of manure on a nice clay loam will give good returns in onion crop, especially if applied the previous season; unless the ground is rich in humus it is practically indispensable. Potash can be supplied by 6 to 8 tons per acre of unleached wood ashes, or by 200 to 300 pounds of muriate of potash, applied early in the spring. Nitrogen is best provided by nitrate of soda, in four dressings, making up 300 or 400 pounds per acre, the first dressing just before seeding, and mixed with the soil by the use of the harrow. The remaining applications can be put on broadcast at intervals during growing season. A few hundred pounds of bone meal or acid phosphate will supply phosphates. The proportions of nitrogen, potash and phosphates advisable depend on the plant-food content of your soil. Consult our advertising columns as regards places to buy.

POULTRY AND EGGS

Condensed advertisements will be inserted under this heading at two cents per word each insertion. Each initial counts for one word, and figures for two words. Names and addresses are counted. Cash must always accompany the order for any advertisement under this heading. Parties having good pure-bred poultry and eggs for sale will find plenty of customers by using our advertising columns. No advertisement inserted for less than 30 cents.

A WINTER-LAYING strain White Leghorns. Thirteen, 75c.; forty, \$2. Geo. Easton, Jr., Whitney.

A BARGAIN to introduce eggs from Barred Rock winners, seventy-five cents per fifteen. Satisfaction guaranteed. Geo. S. Hammond, Poole, Ontario.

B BLACK ORPINGTONS.—Eggs from imported "English" birds, grand layers, good color. \$2 per 13. Wm. Lawrence, 191 Grey St., London, Ontario.

B BARRED ROCK, Buff Orpington. Fertile eggs from best laying strains. \$4 per 100; \$1 per 15. Wilbur Bennett, Box 938, Peterboro, Ont.

B BARRED ROCKS—Twelve females mated to full brother, first Ontario cockerel; eggs two dollars per fifteen. Albert Butler, Burtch, Ontario.

B BARRED ROCK EGGS. \$1 per setting. \$5 per hundred. Mrs. J. R. Henry, Waterdown, Ont.

B BLACK MINORCA—Pure-bred eggs for hatching from heavy-laying strain, one dollar per fifteen. Edward Hacker, Beachville, Ontario.

B BARRED ROCKS 39 hens laid from January 1st till April—188 dozen eggs. Price \$1 per 15. T. Edward Mugrove, Wroter, Ont.

B BARRED ROCK eggs from heavy-laying prize-winning stock. Dollar for fifteen. Two dollars for forty. Chas. Hilliker, Norwich, Ont.

B BARRED ROCK EGGS, from a pen of the "National strain." Selected for this choice barring and persistent layers of perfect colored eggs, and mated with choice cockerels. Vigorous, blocky, barred to the skin. Price \$1 per 13, or \$2 for 40. W. C. Shearer, Bright, Ontario.

B BUFF ORPINGTON eggs, from a select pen of twenty. All laying at present. Mated with a strong, blocky, vigorous cock. Price \$1 per 15. W. C. Shearer, Bright, Ontario.

B BUFF ORPINGTON eggs—Two pens specially selected for excellent laying and market qualities; headed by large, very vigorous males, unrelated. \$1 per 15, \$2 per 40. Edgar Staples, Bright, Ont.

B UY 95% FERTILE EGGS—That will produce winter layers. Ancona eggs, \$1.50 per fifteen; Single-comb White Leghorn eggs, \$1 per fifteen; \$4.50 for one hundred. Free circulars for stamp. Edward C. Apps, Box 224, Brantford, Ont.

B BEST RHODE ISLAND REDS in Canada—Rose and Single-comb. Won silver cup for best collection at the Provincial Winter Fair. Eggs \$2 per 15. \$5 per 50. Barred Rock eggs \$1 per 15. \$4 per 100. O. A. C. stock. Wm. J. Mihm, No. 1 Richardson St., Guelph.

B BARRED Rock eggs, safely packed in Morgan baskets. One dollar per fifteen. C. H. Chalmers, Smith's Falls, Ont.

B BUFF Orpington pure-bred eggs for hatching; 9 chicks guaranteed. Illustrated catalogue, free, tells all about them. Hugh A. Scott, Caledonia, Ont.

C HOICEST HOUDANS—1st-prize winners wherever shown. 13 eggs \$2. C. B. Smith, 57 Church St., Stratford, Ont.

C LARK'S BUFF ORPINGTONS—Oldest and largest breeder in Canada. 12 years specializing. Exhibition and egg production combined. Greatest winter layers in America. 11 breeding pens. Eggs from 1st 4 pens, \$5 per 15, infertile replaced free. Eggs from pens 6, 7, 8, 9, 10, 11, from \$1 to \$3 per 15. 50 eggs, \$3; 100 eggs, \$5.50. Crates free. Illustrated catalogue free. J. W. Clark, Cainsville, Ont.

E EGGS from prize-winning Rhode Island Reds, the great farmer's fowl, at \$1 per setting. David Carr, Owen Sound, Ont.

E EGGS from choice Indian Runner ducks, 10c. each. Single-comb Brown Leghorns (money-makers), \$1 per 15. Frank Bainard Glanworth, Ont.

E EGGS for hatching, White Wyandottes. Good laying strain. \$1 per setting. L. Turnbull, Pt. Colborne, Ont.

E EGGS—Buff Wyandottes, from good winter layers. \$1.50 per setting; \$5 per hundred. Chas. Hardy, Mandamin, Ontario.

E EGGS, EGGS—From Collingwood winners. Buff Orpingtons, Barred Rocks, Columbia Wyandottes, and Light Brahmas; \$1 for 15. S. L. Anderson, Crossland, Ont.

E EGGS FOR SALE—White Wyandottes, Black Minorcas, Columbian Wyandottes, one dollar per setting. Stock for sale at all times. John Thomson, Fergus, Ont.

E EGGS FOR HATCHING—"Edelweiss" White Rocks. Trap-nests used all the year. Only hens used as breeders that have proven "worth while" pullets. \$1.50 the 13. J. A. Butler, M. D., Box "F. F.", Baden, Ont.

E EGGS FOR HATCHING—Barred and White Rocks, White and Silver Wyandottes, Black and Buff Orpingtons, Brown and White Leghorns, Black and Spangled Hamburgs, Houdans, Black Javas, Dorkings, Single and Rose Combed R. I. Reds. These birds won over 300 1st prizes at nine shows. \$1 per fifteen eggs. F. W. Krouse, Guelph, Ont.

G ET THE BEST—Single-comb Brown Leghorns. For 16 years winners at Toronto, London, Guelph, Woodstock, Brantford, Simcoe and Paris. Stock for sale. Eggs, \$2 per 15. Orr & Cruden, Paris, Ontario.

G OLDEN WYANDOTTES—The beauty birds. Great layers. The ideal farmer's fowl. Eggs \$1 for 15. Rose-comb Minorcas. Everybody's favorite. Large, handsome, hardy. Greatest layers in the world. Make a start in this grand breed. We have two of the finest pens in Canada. Eggs for sale. Write for prices. A. McGugan, Rodney, Ont.

H IGH-CLASS White Wyandotte eggs for hatching from prize-winning stock. \$1.50 per 15; \$2.50 per 30. Brown Bros., Colville, Ont.

K LAGER'S RHODE ISLAND REDS—both combs. 8 breeding pens. Enclose 5c. for catalogue. Klager's Poultry Yards Hespeler, Ont.

L OCHABAR Poultry Yards offers eggs from choice stock of the following varieties: M. B. turkeys, \$2.50 per 9; Pekin and Rouen ducks, \$1.00 per 11; Barred Rocks, Partridge and White Wyandottes, \$1.00 per 15. D. A. Graham & Son, Wainstead, Ontario.

L ARGE fertile eggs from excellent laying strains—S. C. White Leghorns. Write for information and true photograph. \$1 per 15. Enos M. Beer, Bethany, Ont.

L OOK—Eggs from S. C. Black Minorcas. Large, grand-laying strain, prize-winners. Eggs \$1.50 per 15. Order now. You will be pleased. Leslie Taylor, Langside, Ont.

R HODE ISLAND REDS—Rose-comb. Bred ten years from carefully selected heavy winter layers of large brown eggs. Eggs, dollar half per fifteen. Satisfaction guaranteed. Jno. Luscombe, Merton, Ont.

R -C. RHODE ISLAND REDS—Best farmers' fowl. Eggs from winners reasonable. Circular free. \$1 per 15; Partridge Wyandottes, \$1.50 per 15. Bert Smith, Colville, Ontario.

R ELIABLE POULTRY YARDS—"The breed that lays is the breed that pays." Single-comb White Leghorns, acknowledged the best everywhere. My pens won at the leading shows (Guelph included). 1 setting, \$1.50; 2 settings, \$2; \$5 per 100 for utility eggs. Address: H. B. Foster, box 359, Bowmanville, Ont.

S C. WHITE LEGHORNS—Heavy winter-layers; everlasting workers; on free range. \$1 per setting. Lincoast Seven Acres, Brantford, Ontario.

S C. W. LEGHORN EGGS—Settings ten cents an egg. Five dollars a hundred. Good laying strain. Martin Robertson, Kent Centre, Ontario.

S C. BLACK MINORCA pure-bred eggs for hatching. One dollar per fifteen. Also a few cockerels for sale. Oscar Eaman, Wales, Ont.

S -C. WHITE LEGHORN eggs from prolific layers, having standard qualities. Eggs \$2 per 15. \$3.50 per 30. \$8 per 100. J. Y. Williams, Wisbeach, Ont.

S INGLE-COMBED BLACK MINORCAS—Eight prize-winning hens weighing up to 8½ lbs., mated to two extra choice large cockerels; score 95. Single-combed Brown Leghorns (twelve pens, two cockerels) that won four firsts, three seconds, two specials, Collingwood and Owen Sound. Barred Rocks—first cock, eight choice hens, including four prize-winners. Eggs from above pens \$1.50 setting. Blue Andalusians only. Four prize-winners Collingwood, Owen Sound, Hamilton, Guelph, Toronto, \$5 per setting. Golden Poland from three prize birds. \$2.50 setting. Rev. J. H. Cameron, Collingwood, Ont.

W HITE Rock eggs for sale, also a few cockerels. Apply to Howard Smith, Winona, Ont.

W HITE Wyandotte eggs from choce matings, \$1.50 per 30, in Morgan crates. W. A. Bryant, Cairnform, Ont.

W HITE WYANDOTTES—Splendid layers. Grandbirds. Free range. Eggs: one dollar per fifteen; five dollars per hundred. Satisfaction guaranteed. Chas. E. Rogers, Dorchester, Ont.

W HITE PLYMOUTH ROCK EGGS. Great laying strain. Satisfaction guaranteed. J. R. Dods, Alton, Ont.

W ANTED, your order for Barred Rock eggs, winners at Toronto, London and Guelph. Prices reasonable. Leslie Kerns, Freeman, Ont.

Single-comb White Leghorns

Bred from best prizewinning and grand-laying strains. Eggs one dollar per fifteen. A hatch guaranteed.

Geo. D. Fletcher, Binkham P. O., Ontario
Erie shipping station, C. P. R.



Advertisements will be inserted under this heading, such as Farm Properties, Help and Situations Wanted, and Pet Stock.

TERMS—Three cents per word each insertion. Each initial counts for one word and figures for two words. Names and addresses are counted. Cash must always accompany the order. No advertisement inserted for less than 50 cents.

BRITISH COLUMBIA LANDS—Handsomely illustrated catalogue of apple and farm lands in B. C. Mild climate rich soil, cheap lands. Write F. J. Hart & Co., Ltd., Vancouver. Est. bished 1891.

M ICHIGAN LANDS—Over 85,000 acres of choice, uncleared farm and grazing lands in the Lower Peninsula of Michigan for sale cheap. Rich soil and easily cleared. State size wanted, and what you wish to use it for, when writing for prices. The Riegel Land & Lumber Co., Summit Ave. & W. & L. E. R. R., Toledo, Ohio.

P ORTRAIT AGENTS, write us; reliable men we start in business of their own and give credit. Merchants Portrait Co., Limited, Toronto.

T RACTOR DITCHER—Have a new Buckeye Tractor Ditcher for digging underdrains. Jobs wanted in the Niagara peninsula, and large jobs outside the peninsula. Walter Day, Beamsville, Ontario.

W ANTED—Reliable single man, good with horses and farm machinery. Good wages to right man. References required. Eaton's Farm, Islington, Ontario.

W ANTED—Girls to work in large Hosiery Knitting Mill in attractive Ontario town. Highest wages paid. No experience necessary to start. Apply Box P, "Farmer's Advocate," London, Ontario.

For Sale

265 Acres; Machinery; Tools; \$1,600.
The owner of this big farm is unable to run it; cuts 40 tons hay; 500 cords wood; 0.000 feet standing timber; trout brook; 8-room house, barn 32x80, good outbuildings; big set valuable farming machinery and tools included. \$1,600 takes all. See page 36. Str ut's April Bulletin, copy free. E. A. Strout Co., Dept. 2465, University Block, Syracuse, N. Y.

Big Magic FREE LANTERN

This valuable Magic Lantern, same as illustrated, and all complete, including one dozen handsome Colored Slides, given free for selling only 11 boxes, \$2.75 worth of Dr. Snyder's Famous Vegetable Pills, the greatest Remedy known for Indigestion, Weak or Impure Blood, Catarrh, and also for all Liver and Kidney Troubles. Sell 12 c. box. No trouble to sell them—everybody needs them. Send your name and address and we will mail you the pills. Write at once. A postal will do. **THE RELIABLE PREMIUM CO., Waterloo, Ont., Dept. X.**

TRADE TOPIC.

Among the modern and necessary machines and equipment desirable on the average farm, offered in this issue by The T. C. Rogers Co., of Guelph, are: National Cream Separators, Perfection Seed and Grain Separators, Aspinwall Potato-planters and Sprayers, Gilson Gasoline Engines, Maple-leaf Sewing Machines, and Hamilton Patent Extension Ladders. Write the company for particulars, and mention "The Farmer's Advocate."