

The Blenheim is an English apple. Now the sorts of apples grown in England, like the kinds of wheat, &c., grown there, are such as will succeed well in humid, cool air, and with slowly moving growth. They mostly fail in our climate, some one or other, or all, of the new conditions being unfavorable. But the Blenheim is a sort of such remarkable vigor—so stout in branch and bark and leaf—that it endures all the trials that our climate imposes. Mr. Downing says that Canadian correspondents write to him that it is most successful there, while here in the Middle States and throughout the West, and as far south as Virginia at least, it is constantly reported as admirably fine and fruitful.

All this relates to the true sort, which in England brings eleven shillings a bushel when common apples bring only four. Yet it is most vigorous and productive there, as well as here. There it keeps all winter; here it ripens in the autumn and keeps till January.

The description of the Blenheim Pippin given in Downing's Fruits and Fruit Trees was taken from some spurious source. The true sort is partially described as the Blooming Orange in the large edition of 1869. Mr. Downing has since identified this as the true Blenheim.

It is a high-class example of the type of fine English dessert apples, having the wide-open eye, the richly stained almost mahogany color—and the crisp, pungent flesh which mark their table-apples. When in perfection, towards holiday time, it has an aroma or bouquet which reminds one of the subtle flavor which connoisseurs in wine will smack lips and tongue over, while they seem to concentrate all powers of sensation in the palate in order to secure and enjoy it.

This sort is a great bearer, but not an early one. Like other strong growers, it first makes a good deal of wood. But when it sets into bearing it is profuse and unailing—wonderfully so, considering the size, weight and perfection of the fruit. It is now pretty widely distributed through the States.—*Gardeners' Monthly.*

The experience of John Johnson, of Geneva, New York, and other intelligent farmers, prolonged for forty or more years, has conclusively shown that by draining, the use of clover and grass, and proper rotation of crops from one field to another on the same farm, the land can be continually increased in fertility and productiveness, without any extra cost for buying manures or applying them, or any increased farm labor. All that is needed is intelligence and skill to direct the ordinary labor of the farm.

The five-field course is usually the most approved system at the present time. A farm is divided into five equal

portions, and some of these are put in grass, others in corn, wheat, barley, oats or other small grain crops as the experience of the owner directs him. While one field is kept in grass for two, and occasionally more years, no other crop is repeated more than one season. Mr. Johnson has declared that by this course his land could be made too rich for wheat, though not for Indian corn.

Is it possible to ascertain the weight of an ultimate atom of matter? Here is an attempt to get at the weight of the Hydrogen atom:—M. Annenheim dissolved 0.0007 gramme of magenta in Alcohol, and diluted the solution to 1000 c.c. In each c. c. of the liquid there was then 0.0000007 gm. of the colouring matter. The liquid thus obtained is poured into a burette of 1 centim. in diameter, and appears decidedly coloured if seen against a white ground. If a drop from the burette, of which 35 go to a c. c. is poured into a small test tube of 0.8 centim. in diameter, the colour is still visible if regarded against a sheet of white paper, along with a drop of pure alcohol in another similar tube. Hence the eye can detect 0.00000002 gm. of magenta. If we suppose that this drop contains only a single molecule of magenta, it follows, according to the formula of this colour, that the absolute weight of an atom of hydrogen cannot exceed 0.00000000059 gm., but may fall below this number.

## FRESH SEEDS!

1877---SEASON---1877.

The undersigned invite the attention of their numerous customers and buyers of Seeds through out the Province to their large and varied stock, which is now complete. It includes all the standard and favorite sorts of

Kitchen Garden, Field,  
and Flower Seeds,

and a selection of the most beautiful  
**FLOWERING BULBS.**

The utmost attention has been given to the QUALITY of the Seeds, and the whole having been procured from the first growers in Europe and America, may be depended on as thoroughly good and reliable.

An Illustrated Descriptive Catalogue will be furnished free, or sent to any address on application. It will be found to be priced throughout, —a new feature, which we hope will promote the convenience of customers at a distance.

FARMERS, AGRICULTURAL SOCIETIES, and LARGE BUYERS will be dealt with on especially favourable terms. DEALERS will find our Packets of Vegetable and Flower Seeds exceedingly convenient for retailing.

Flower Seeds and Bulbs and small Vegetable Seeds, at retail price, forwarded FREE OF POSTAGE to all parts of the Dominion.

Timothy and Clover Seeds at lowest market rates.

**AVERY, BROWN & CO.,**  
**SEED WAREHOUSE,**  
7, 9 & 11 GEORGE STREET,

HALIFAX, N. S.

## FOR SALE.

The Short Horn Durham Bull, of the Oxford Tribe,

**"VISCOUNT OXFORD," CXVIII.,**

the property of PROFESSOR LAWSON, Lucyfield Farm, nearly 2 miles from Beaver Bank Station; 4 miles from Bedford.

Dark Roar, calved August 21, 1874; sire Sixth Baron Oxford, (whose pedigree is given below).  
dam Graceful Duchess by Baron Oxford 4th 25580,  
gr d Duchess by Fifteenth Grand Duke 21852,  
r gr d Countess by Knightley Grand Duke 21268,  
g g gr d Chorus by 4th Duke of Thordale 17750,  
g g g gr d Charming by Mameluke 13259,  
g g g gr d Charmer 6th by Cardinal 11246,  
g g g g gr d Charmer 2nd by White Frail 9827,  
g g g g g gr d Charmer by Little John 4232,  
g g g g g g gr d Graceful by Caliph 1774,  
g g g g g g g gr d Sylph by Sir Walter 2637,  
g g g g g g g g gr d by Hutspur 1117,  
g g g g g g g g g gr d by Coxcomb 928,  
g g g g g g g g g g gr d by Midas 435,  
g g g g g g g g g g g gr d Rachel by Comet 157,  
g g g g g g g g g g g g gr d Russell by R. Col-  
ling's Son of Favorite 252, —by same son of  
Favorite 252, —by Hubback 319.

Purchased at the auction of the entire Short Horn Herd of George Moore, Esq., of Whitehall, Cumberland, England, 9th September, 1875, for Fifty Guineas, and imported by the Board of Agriculture, October, 1875.

Graceful Duchess, the dam of Viscount Oxford, was sold at the Whitehall sale to Sir Wilfred Lawson for five hundred guineas.

The following is the pedigree of Viscount Oxford's sire:—SIXTH BARON OXFORD, red, calved August 27th, 1872; bred by the Duke of Devonshire, the property of Sir Wilfred Lawson; sire Eighth Duke of Geneva, 28495, dam Lady Oxford 5th by Third Duke of Thordale 17749, g. d. Lady Oxford 4th by Second Grand Duke, 12961, g. gr. d. Maid of Oxford by The Lord of Eryholme 12205, —Oxford 13th by Third Duke of York 10166—Oxford 5th by Duke of Northumberland 1940,—Oxford 2nd by Short Tail 2621,—Matchem Cow by Matchem 2281,—by Young Wynyard 2859.

BARON OXFORD 4th, the sire of VISCOUNT OXFORD'S dam, is celebrated in England for the splendid calves which he has produced. VISCOUNT OXFORD resembles him in his great depth, long fur so characteristic of the Oxford tribe, and dark roan colour.

Mr. Moore's Herd, from which VISCOUNT OXFORD was obtained, is thus described by Mr. John Thornton, the great Short Horn authority in England:—

"The Whitehall Herd has been most carefully selected and bred from the celebrated herds belonging to His Grace the Duke of Devonshire, Mr. Bowly, of Siddington, Mr. Harwood, of Winterfold, Messrs. Loney, Foster, Howard, Tracy, and other eminent breeders, the principle being to select animals possessing great merit in themselves, combined with fashionable blood. Foremost among the cows will be found that magnificent specimen of the Oxford tribe, Grand Duchess of Oxford 11th, and her red heifer calf by Fifth Duke of Wetherby 31033, who was purchased from Col. Gunter for 2000 gs. The sires have been first-class bulls of the most approved pedigree. Seventeenth Duke of Oxford 31000, 25994, and Twenty second Duke of Oxford, have been in service; also Sir Wilfred Lawson's Sixth Baron Oxford, the late Mr. Fawcett's Eighth Duke of York 28480, and at the present time Col. Kingscote's celebrated sire Duke of Hillhurst 28401 (sire of Duke of Connaught, recently sold at Dunmore to Lord Fitzhardinge for 4500 gs.) is in service."

VISCOUNT OXFORD served a limited number of Cows last summer and this winter at a fee of £5.00. He is in fine condition, active and spirited, but quite docile, and well suited to any society requiring a first class animal. The Bull and his young stock may be seen at the Farm at any time. Price £240.

Apply to the Herdsman, or to

PROFESSOR LAWSON,  
Halifax.

apl 1