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Published under direction of the Board of Agriculture of Nova Scotia.

*Omnium rerum, ex quibus aliquid acquiritur, nihil est agriculturâ melius, nihil uberius, nihil homine libero dignius.—Cicero : de Officiis, lib. I, cap. 42.*

VOL. II.

HALIFAX, N. S., SEPTEMBER, 1876.

No. 126.

### PROVINCIAL AGRICULTURAL EXHIBITION.

Halifax, 4th September, 1876.

In addition to our remarks in last issue, anent our contemplated Exhibition in October, we have been enabled to gain some further information concerning the buildings and the operations of the Colchester Committee, to which is given by the Central Board the responsibility and the great labor of making the Exhibition of '76 even a greater success, if possible, than similar gatherings that have preceded it.

#### THE BUILDINGS.

The field, in which the Commissioners appointed by Government have located the Exhibition buildings, overlooks the town from the south and contains about six acres of land. The land has been cleared and levelled, as much as could possibly be done, considering that work had commenced therein almost before the frost had left the ground. If not as neat nor as level as it should be, the Committee hope that every allowance may be made for any imperfection on this point.

The main building—120 feet by 90 feet—stands upon the brow of a gently sloping hill, and from it, in the rear, are placed the sheds and other out-buildings. The post of the main building in the centre is 36 feet and the whole interior is to be surrounded with a gallery 12 feet wide. Ample room will be given for tables, stands, &c., while the gallery will serve as a promenade for visitors and will be furnished with seats.

The sheds are roomy and will afford ample accommodation for Stock. There are now, complete in every respect, 550 feet of double cattle sheds, 350 feet of horse stalls, 300 feet of hog and sheep pens and 100 feet of poultry yards double-shelved for coops, at least 2½ feet high, with abundance of room to increase these wherever the exigency of the case may demand. These buildings are surrounded by a substantial fence 7 feet 6 inches in height, and are distant from a railway siding off the main road, which the Dominion Government will furnish, only 25 rods, so that Stock and all exhibits will be landed within a stone's throw of the buildings. On the ground will be furnished running water, and fodder for Stock will be in abundance.

#### OPENING AND CLOSING.

The Exhibition will open on Tuesday the 10th of October, at 2 o'clock, p. m., by short introductory addresses, and will close on the 13th, at 3 o'clock, p. m., by some similar exercises. The grounds will be open for Exhibitors on Monday, at 9 o'clock, a. m., and exhibits may be removed immediately after the closing ceremonies on Friday.

#### THE FAIR.

A public Fair in connection with the Exhibition will take place on Thursday the 12th of October, commencing at 2 o'clock, p. m., where exhibitors will have an opportunity of disposing of any exhibits they may wish, in accordance with

the regulations prescribed by the Committee. We would call attention to No. 20 of the General Regulations. In addition, the Committee have made the following rules that they hope may meet with the approval of those who may wish to sell: (a) all exhibits for sale at the Fair must be entered before the opening of the Exhibition; (b) entries to be sent to the Auctioneer, Mr. William Creelman, P. O. Box 11, Truro; (c) the commission for the sale of all articles will be 2½ per cent.; (d) no auctioneer but Mr. Creelman will be allowed to sell upon the ground; (e) the auctioneer is responsible for the collection of all moneys arising from the sale and also for the safe delivery of purchases to the buyer.

#### FACILITIES FOR TRANSIT.

On the Dominion Government Railways, return tickets will be issued at a single fare for the double journey, to persons visiting the Exhibition, and animals and articles for exhibition will be carried at half rates, providing they remain the property of the original owners.

The Windsor & Annapolis Railway Company will issue tickets at the same rates as those offered by the Government. Articles for exhibition to be carried also for half rates.

The Anglo-French Steamship Company will carry persons visiting the Exhibition from Cape Breton for \$16 each for the double journey, in place of \$20, the usual rate. The rates upon all articles for exhibition will be a reduction of 20 per cent.

The Prince Edward Island Steam Navigation Company will make the same reduction as on the Government Railways.

F. W. Fishwick, Esq., proprietor of the S. S. M. A. Starr and Edgar Stuart will afford the same or similar privilege as that furnished by the Railway authorities.

Messrs. Small & Hatheway will carry passengers and freight for the Exhibition by the steamer from Digby to Annapolis for one fare, returning free.

#### ENTRY CERTIFICATES.

These certificates are now ready and can be obtained from the Secretaries of the different Agricultural Societies throughout the Province, from the members of the Central Board of Agriculture, or from the Secretary of the Exhibition. To avoid confusion and mistakes it is especially requested that these certificates be filled in as neatly and as carefully as possible, and returned to the office of the Secretary of the Provincial Exhibition by the time specified in the General Regulations. The Entry Ticket, acknowledging the Entry Certificate, will be immediately thereafter forwarded from the Secretary's office, which the Exhibitor must hold and attach to his exhibit in October.

WHILST we are correcting the final proof sheets of this number, a small parcel of plants reaches us from Mr. A. H. McKay, B. A. Dal. Col., Principal of the Pictou Academy. It contains some extremely interesting species collected by him in Cape Breton Island. First among the number comes the very rare fern *Polystichum Hincksii* (Lawson), hitherto found only in one spot at Owen Sound on Lake Huron, and at another, it is believed, on the south shore of Lake Superior. It is not yet correctly described in any botanical work, having been hitherto mistaken for the European *P. Lonchitis*. Mr. McKay has likewise found *Lastrea Filix-mas*, a fern originally discovered as a native of Maritime Canada by Dr. Lindsay last year; *Cystopteris bulbifera*, another fern not uncommon in the Inland but rare with us; *Oxytropis Uralensis*, a fine Leguminous plant, rare even on the mountains of Europe and in Siberia, and never found in the United States; *Galium montanum*, D. C., and *Silene acaulis*, both known in America only on the summit of the White Mountains, the latter species found, however, high up in Arctic British America; *Rhodiola rosea* (allied to *Sedum*), previously collected in Labrador by the Rev. J. Fraser Campbell, but now known for certain to be Nova Scotian likewise; *Triglochin palustre*, a sea-side grass-leaved plant; and lastly, *Listera cordata*, a small orchis with two opposite mahogany colored leaves, which

is known as the Mountain Tway Blade in Britain, and in the Dominion of Canada has been previously found at Lac St. Joachim and on the New Brunswick shore of the Bay of Fundy.

### Reports on Crops.

Clements, August 10th, 1876.

DEAR SIR,—In reply to your note of 28th July, I have waited thus long in order to acquire reliable statements as to our general agricultural affairs.

In the first place, the Hay crop has been nearly all gathered safely in without rain or foul weather, and is abundant for our usual requirements. Salt marsh hay is not quite so good, having been hurt by the great heat. Our Grain crop will be about average: Oats are light and Barley thin, while Wheat and Rye are good, the latter specially so. Of Buckwheat, the prospect at present is good, being of heavy growth and profuse blossom. Possibly, unless touched by early frost, there will be a heavy yield of very useful grain. I think early frost is to be feared though it cannot be guarded against. The thermometer has noted sudden changes during the past week, the mercury standing at 80° to 86° nearly all day and suddenly falling to 40° and 44° during the night, and this has happened thrice since last Saturday, 12th August. Of Turnips, in burnt land there will be but small returns,—the heat, the reflection of the ashes, and the fly have shrivelled up the early plants. Mangolds and Carrots appear too thick, the hotter the soil and the drier the atmosphere. Potatoes, at least the Early Roses, may be now considered safe, and if harvested early will give a handsome return; the later kinds will be injured probably by the watery September which is due us.

There has been a wonderful decrease of the 'Stripe' or Squash bug this season, and so Cucumbers, Melons and Squashes flourish and are looking well. Can you give any reason for the sudden disappearance of the pest? Caterpillars and Cur-rant worms have left their trail everywhere, threatening by vast increase not only the destruction of the Fruit crop this year, but of others in future, as the germinal buds are attacked now and we have nothing to prevent the spread of these pests.

In behalf of the Clements Agricultural Society,

W. M. GODFREY, Sec'y.

Pugwash, 9th August, 1876.

SIR,—Yours of 28th ult. to hand in due time. Contents noted. Now that the Hay crop is nearly all in the barn we can say for a certainty that it is below

an average. The Grain crop promises to be abundant, especially in straw. Potatoes and other roots look well. The dry and very hot weather of the last ten days may have a tendency to ripen the grain rather prematurely, but yet we anticipate a bountiful harvest; and hoping that our anticipations will be realized,

I am, yours, &c.,

THOS. A. FRASER.

Shubenacadie, 16th August, 1876.

DEAR SIR,—In answer to your letter of the 28th ult., I would say that the Hay crop in the valley of the Shubenacadie is about one-fifth to one-sixth short, and on the upland farms lying on either side of us the falling off is much greater.

The Oat crop will not be equal to last year, therefore there will be quite a falling off both in straw and grain, caused by lateness of Spring and drought during the Summer; the farmers will have none for sale. Barley is also a short crop from the same causes. Potatoes will be a poor crop on account of the wet Spring delaying the planting, but, where the soil is dry and planting was done early, the yield and quality are both excellent. Turnips also are a poor crop—much below the average.

I remain, &c.,

F. R. PARKER,

WE are indebted for the following Lines to the kindness of Mr. T. Robertson of the Provincial Secretary's office:—

#### LINES

written on seeing the Scottish Broom growing luxuriantly around the ruins of an old house near Shelburne.

O, "bonny broom" of Scotland!  
 In all thy golden glow,  
 Thou bloomest still—but where's the hand  
 That rear'd thee long ago?  
 Fond eyes once watch'd thy budding,  
 Brought from thy native glen,  
 To flourish in a foreign soil,  
 Beheld by stranger men,  
 Perchance warm tears gush'd freely,  
 Thy golden flowers among—  
 Flowers that once hadg'd a princely line—  
 Flowers that a Burns hath sung.  
 O! who can toll what images  
 Thy sweet buds conjur'd forth,  
 To hold communion sad with him  
 That wandered from the North?  
 While borne on memory's pinions  
 To his dear father-land,  
 The "old familiar faces,"  
 The cherish'd household band,  
 The haunts of merry childhood,  
 Where grew the "Gowans fine,"  
 And all the treasur'd memories  
 That cling to "auld lang syne?"  
 Sole relic of thy planter,  
 Long pass'd from earth away!  
 Thou, thou alone, art left to tell  
 Where once his garden lay:  
 Still blooming on in beauty,  
 A mound of stones beside,  
 Where once a goodly dwelling stood,  
 Thou seem'st to mock man's pride,  
 Ay, man had rais'd this structure,  
 Now lying in decay:  
 And rains and dews that nourished THEE,  
 Have mouldered it away.  
 O! "bonny broom" of Scotland!  
 In all thy golden glow,  
 Thou bloomest still,—but where's the hand  
 That rear'd thee long ago? [A. B.]

CATALOGUE OF REGISTERED NOVA SCOTIA CATTLE.

SHORT HORN BULLS.					
NO.	NAME.	WHEN CALVED.	SIRE.	DAM.	OWNER.
8.	Lobo Lad,	Nov. 9, '65,	144,	145,	Newport Ag. Soc.
11.	The Yeoman,	Nov. 5, '64,	140,	147,	Cornwallis Ag. Soc.
*12.	Sir William,	Mar. 20, '65,	148,	149,	E. Cornwallis Ag. Soc.
15.	Cato,	Jan. 31, '66,	11,	150,	Mabou & Pt. Hood A. So.
16.	Nobleman,	Feb. 12, '66,	151,	152,	Shubenacadie Ag. Soc.
29.	Orion,	Apr. 20, '69,	155,	156,	Windsor Ag. Soc.
30.	Bell Duke of Markham,	Mar. 14, '68,	157,	158,	E. Cornwallis Ag. Soc.
31.	D'koof Cardwell,	Jan. 13, '69,	220,	221,	Onslow Ag. Soc.
32.	Roland,	Feb. 3, '70,	159,	160,	King's Co. Ag. So.
33.	Sir Halbert,	Jan. 17, '70,	155,	161,	
34.	Grand Duke Remus,	Dec. '69,	162,	163,	G. S. Brown, Yarmouth
35.	Ontario Farmer,	June 17, '69,	164,	165,	
36.	Sir William,	Oct. 19, '69,	166,	167,	Shubenacadie Ag. So.
43.	Bell Duke of Cornwallis,	Sept. 21, '71,	30,	45,	Mr. Chase.
101.	Sultan,	Apr. 22, '71,	174,	102,	King's Co. Ag. S.
107.	Grand Pre Duke,	June 10, '73,	280,	104,	Mr. Bowser.
109.	Roan Duke,	Sep. 16, '72,	30,	45,	
111.	Prince Edward,	May 13, '73,	66,	63,	Onslow Ag. Soc.
114.	Roan Star 4th,	Dec. 19, '71,	184,	183,	Minudie Ag. Soc.
115.	Morning Star,	Jan. 12, '72,	184,	186,	"
116.	Captain,	May 5, '71,	187,	190,	Mr. Clark.
117.	Baron Lightburne 2nd,	Feb. 23, '73,	191,	192,	Un. Ag. S., E. Cornw'a.
118.	Viscount Oxford,	Aug. 21, '74,	193,	194,	Prof. Lawson.
119.	Gwynne of the Forest,	Aug. 22, '73,	195,	196,	Un. A. S., E. Cornw'a.
120.	Kent Gwynne,	July 10, '74,	197,	198,	Mabou & Pt. H. Ag. So.
121.	Skiddaw,	Jan. 17, '75,	195,	199,	Mr. Bowser.
122.	Capt. Cawood,	Nov. 3, '73,	200,	201,	Shubenacadie Ag. Soc.
133.	Benedict,	July 28, '75,	107,	103,	Mr. Bowser.
137.	2nd Gwynne of the Forest,	Feb. '76,	123,	119,	Mr. Fraser.
141.	Peter,	May 3, '73,	212,	138,	Onslow Ag. So.
143.	Duke of Edinburgh,	Apr. 10, '72,	218,	219,	Mr. Eaton.
183.	Lord York,	Jan. 7, '68,	225,	227,	Mr. Chase.
222.	William,	Feb. 8, '72,	223,	224,	Yarmouth Co., Ag. Soc.
230.	General Grant,	Mar. 25, '69,	223,	229,	Annapolis Ag. So.
231.	Mara Duke,	Jan. 16, '71,	225,	232,	Morristown.
233.	Duke of Green wood,	Apr. 24, '71,	30,	234,	W. Cornwallis Ag. Soc.
235.	Oliver Twist,	May 20, '71,	30,	236,	Onslow Ag. Soc.
247.	Royal George,	Oct. 8, '71,	233,	239,	Windsor Ag. Soc.
240.	Sir Roger Tichborne,	Oct. 20, '71,	148,	241,	Mr. J. W. Margeson.
251.	Western Prince	Mar. 16, '55,	252,	253,	

SHORT HORN COWS AND HEIFERS.

NO.	NAME.	WHEN CALVED.	SIRE.	DAM.	OWNER.
17.	Beauty,	Jan. 13, '66,	153,	154,	Prof. Lawson.
43.	Markham Belle,	Jan. 21, '69,	157,	168,	Mr. G. S. Brown.
44.	Clifton Maid 2d,	Mar. 10, '66,	169,	170,	"
45.	Lady Lucy,	Mar. '67,	11,	17,	Mr. Chase.
46.	Lady Lucy 2nd,	..... '68,	144,	154,	Rev. P. Holden.
47.	Brunswick Belle,	Mar. 13, '68,	171,	102,	Mr. Bowser.
102.	Peerless,	Aug. 20, '63,	175,	176,	do.
103.	Lily,	..... '70,	102,	171,	do.
104.	Lily,	June 5, '71,	177,	178,	do.
105.	Prarie Maid,	April 20, '73,	179,	103,	do.
106.	Brookside Mayflower,	May 1, '73,	179,	102,	Mr. J. W. Margeson.
109.	Evangeline,	Mar. 20, '72,	32,	47,	do.
110.	Lily,	Apr. 1, '71,	181,	182,	Mr. Chase.
112.	Nellie York,	Apr. 20, '74,	183,	103,	Mr. Bowser.
113.	Nellie,	May 26, '74,	183,	102,	Mr. Jacques.
123.	Rose Gwynne 4th,	June 22, '68,	202,	203,	Mr. Fraser.
124.	Poll-Vaughan,	Jan. 30, '72,	195,	123,	Prof. Lawson.
125.	Princess Mary,	Feb. 22, '72,	204,	205,	Mr. C. F. Eaton.
126.	Red Rose,	Sep. 20, '75,	32,	104,	Mr. R. Chipman.
127.	Cawood's Rose,	Feb. 4, '67,	206,	207,	Ptof. Lawson.
128.	Rose of Lucyfield,	Nov. 24, '75,	200,	127,	do.
129.	Rose,	Jan. 25, '68,	208,	209,	Mr. Eaton.
130.	Belle Clayton,	Mch. 1, '72,	179,	210,	do.
131.	Rose Halton,	Jan. 21, '76,	179,	129,	do.
132.	Princess Barrington,	Feb. 12, '76,	211,	125,	do.
134.	Beauty,	Mch. 6, '74,	212,	110,	Mr. Chase.
135.	Flora,	Jan. 1, '75,	183,	110,	do.
136.	Miss Maud,	Jan. 21, '75,	183,	213,	Mr. J. W. Margeson.
138.	Dairy Queen,	Dec. 23, '68,	214,	215,	Mr. Eaton.
139.	Boo of the Valley,	Apr. 22, '73,	216,	217,	do.
140.	Molly Bawn,	May 28, '76,	179,	215,	do.
142.	Peerless the 1st,	" 25, '76,	171,	113,	Mr. Jacques.

NO.	NAME	WHEN CALVED.	SIRE.	DAM.	OWNER.
242.	Nelly Gray,	Dec. 3, '75,	240,	108,	Mr. Margeson,
243.	Bertwalda,	Dec. 1, '76,	240,	106,	do.
244.	Boppo,	June 15, '66,	247,	248,	do.
245.	Brunswick,	June 10, '74,	249,	244,	do.
246.	John W.	July 16, '75,	141,	244,	do.
250.	Dolly Gwynne,	Aug. 23, '76,	119,	124,	Prof. Lawson.

REFERENCE NUMBERS TO SHORT HORN SIREs AND DAMS.

- 63. Duchess by Lord Clarence 64, out of Rosa Gwynne.
- 64. Lord Clarence (imp. P. E. I.) by Fitzclarence, 14552.
- 65. Rosa Gwynne by Lord Clarence.
- 66. Glensman by Booth's Kinsman. 25658.
- 144. Baron Renfrew [44].
- 146. Miss Maud, Ca. vol. 1, p. 404.
- 146. 12th Duke of Northumberland [196] 4744.
- 147. Isabella 6th, Ca. vol 1, p. 318.
- 148. Clifton Duke 2nd [133].
- 149. Beauty, Ca. 1, p. 212 (by Sir Robert 2nd, 3439\*)
- 150. Flora 3rd, vol. 1, p. 304 of Ca. H. B.
- 151. Merton Duke [468].
- 152. Flora by John of Gaunt, Ca. vol. 1 p. 303,
- 153. Kossuth.
- 154. Snowdrop by Durham.
- 155. Oxford Mazurka, 8750.
- 156. Maggie, 5281.
- 157. Bell Duke of Oxford [830].
- 158. Snowdrop by P. of Wales [578]
- 159. Oxford Chief (Canada Register) [1912 of 2nd vol.]
- 160. Lily Dale by London Lad\*.
- 161. Kate Leyton by Pioneer.
- 162. Willie, Ca. Reg. 246.
- 163. Miller's Maid by Bob, Ca.
- 164. Mac (8561).
- 165. Fanny by Prior (7155) Cochran.
- 166. 11th Duke of Thorndale (5611).
- 167. Moss Rose by Marion Duke of Airdrie (4150).
- 168. — by P. of Wales [578] Miller.
- 169. 2nd Grand Duke, 6814.
- 170. Clifton Maid by Snowball.
- 171. Brunswick, 831 Ca.
- 172. Glensman, P. E. I.
- 173. Rose Wreath by Wisdom, P. E. I.
- 174. Imported Charles [833].
- 175. Joe [371].
- 176. White Lily by Wentworth [800].
- 177. Charles, 9 N. B.
- 178. 2nd Duchess, 28 N. B.
- 179. Baron Clayton [828].
- 180. Charles 3rd, 28 N. B.
- 181. Constance Duke, 7753.
- 182. Dairy Queen, 31 N. B.
- 183. Lord York (26766).
- 184. Young Carlisle, 7408.
- 185. Perfection by Duke of Manlins 2nd, 4740.
- 186. Red Rose 3rd by John Bull 2nd, 4921.
- 187. Lord Clarence by Fitzclarence (14552).
- 190. Lady Rean by Cosca (Eng.)
- 191. Baron Oxford 5th, 25580.
- 192. Winsome 7th by Grand Duke 10th, 2184.
- 193. Graceful Duchess by Baron Oxford 4th.
- 174. Sixth Baron Oxford.
- 195. Seventeenth Duke of Oxford, 25994.
- 196. Flighty Gwynne by G. D. of Lighthburne, 26290.
- 197. G. D. of Kent 2nd, 28759.
- 198. Double Gwynne by Rufus, 27397.
- 199. Sweetheart 31st by Patrician, 24728.
- 200. Capt. Tregunter, 28136.
- 201. Double Cawood by Ld. Cawood 3rd, 24368.
- 202. Duke of Cumberland, 21584.
- 203. Rose Gwynne 2nd by Gen'l Jackson 2nd, 17954.

- 204. Golden Duke, 26266.
- 205. Empress by Majestic, 20264.
- 206. Lord Carwood 3rd, 24368.
- 207. White Cow by Golden Eclipse, 14625.
- 208. Halton [844].
- 209. Jorrie by Joe [371].
- 210. Lady Brunswick, 9 N. B.
- 211. Cambridge Barrington (30642).
- 212. Ben Butler, 40 N. B.
- 213. Rose by Brunswick [831].
- 214. Oswald Cray, [514].
- 215. Dairy Spot by Snowball [696].
- 216. Bismark, 39 N. B.
- 217. Flora, imp. by N. B. Bd. of Ag.
- 218. Prince Arthur [2592].
- 219. Lady Renick by Loudon Duke [1719].
- 220. Duke of Bourbon [184].
- 221. Cassy by Nelson [488].
- 223. His Majesty [847].
- 224. Isabella by Albert [9].
- 225. Bell Duke of Oxford [830], 6499.
- 226. Third Duke of Whafdale (21619).
- 227. Duchess of York by 7th Duke of York (17754).
- 228. Mat [448].
- 229. Primrose by Prince of the North 2nd [571].
- 232. Mara 3rd by Bell Duke of Oxford [830].
- 234. Young Dumpy by Prince of Bourbon [568].
- 236. Kentucky Jane by Prince of Bourbon [568].
- 238. Prince Louis [566], 6058.
- 239. Strawberry by Alfred [13] 4546.
- 241. Graceful by imp'd Sweetheart (20924).
- 247. Duke, 5 New Brunswick, H. B.
- 248. 6th Princess, 6 N. B. H. B.
- 249. Tuscarora, by Charles, 9 N. B., out of Flora, 3 N. B.
- 252. Prince of Wales, 4274, Am.
- 253. Sanspareil 10th by Windsor, 4584 Am.

AYRSHIRE BULLS.

NO.	NAME	WHEN CALVED.	SIRE.	DAM.	OWNER.
21	.....	Imported,	50,		Paradise Ag. S.
22	.....	do,	50,	150,	Boularderie Ag. S.
39	Sir George,	1868,	153,	153,	
40	Johnny,	May 1, '69,	154,	155,	
41	Prince of Wales,	Sp. '79,	50,	156,	
42	Young P. of Wales	March 2, '68,		157,	
50	Carrick Farmer,	Sep. 4, '61,	159,	148.	
61	Reform,	Imported,			
107	Monarch,	April 13, '70,	61,	27,	Mr. Blanchard.
108	Senator,	March 6, '71,	61,	27,	do.
109	Micmac,	" 27, '71,	61,	28,	do.
110	Cuthbert	" 25, '72,	42,	27,	L. Stewiacke Ag. S.
111	Colchester,	" 29, '72,	42,	28,	Mr. Blanchard.
121	Charlie	May, '74,	180,	181,	Pictou Ag. S.
122	Onslow,	Oct. 21, '74,	108,	105,	Egerton Ag. S.
123	Lord Gorsebrook,	April 21, '75,	182,	134,	
124	Baron Gorsebrook,	May 4, '75,	182,	130,	
129	The Speaker,	May 28, '75,	121,	28,	Mr. Blanchard.
138	Thrift,	March 4, '75,	196,	197,	Col. Starratt.
137	Young Royalty.	March, '75,	198,	199,	Halifax Co. Ag. Soc.
138	Royal Connaught,	June 8, '75,	200,	192,	Rev. H. P. Almon.
139	Harry Moore,	April 17, '75,	200,	102,	do.
144	Scott,	May 25, '75,	201,	126,	Col. Starratt.
149	Lord Lisgar,	Imported,			
160	Sir Wm. Wallace,	Imp., '87,			Mr. Smith, Amherst.
162	Robert Burns,	do,			Mr. Davenport, Sydney.
163	Moss Trooper,	do,			Merigomish Ag. S.
164	Ayrshire Ploughman,	do,			S. Burns, River John.
185	General Grant,	do,			G. Seaman, Minudie.
200	Lord Raglan, old No. 72,	Imported '72,			Windsor Ag. S.

AYRSHIRE COWS AND HEIFERS.

NO.	NAME	WHEN CALVED.	SIRE.	DAM.	OWNER OR DISTRICT.
27	Miss Cuthbert,	Imported,			Halifax.
28	Josephine,	1868,	151,	27,	Mr. Blanchard.
51	Mary Gray,	Mar. 10, '60,			
53	Young Duchess,	Imported '67,			Mr. Cathcart Thomson.
68	Nancy,	do '67,			Mr. W. Esson, Halifax.
78	Flora,	do '72,			Mr. G. Wiggins, Windsor.

NO.	NAME	WHEN CALVED.	SIRE.	DAM.	OWNER.
101	Lille,	April 22, '70,	61,	166,	Mr. Blanchard, Truro.
102	Nora C. F.,	Mar. 25, '72,	167,	163,	Rev. H. P. Almon.
103	(Ceres C. F.,	Mar. 28, '72,	160,	170,	
104	Pink,	May 9, '71,	171,	172,	
105	Myra,	Mar. 5, '71,	173,	174,	
106	Torta,	April 2, '73,	109,	27,	Mr. Blanchard.
112	Spotty,	Dec. 1867,	175,	113,	Mr. Longley, Paradise.
113	Daisy 2nd,	Imported,	176,	177,	do.
114	Rose (twin),	Aug. 15, '73,	71,	*	Mr. Mackinlay.
115	Lady Millicent,	Mar. 17, '70,	178,	112,	Mr. Balcom.
116	Daisy 4th,				
117	Tiny (twin),	Aug. 15, '73,	71,	*	Mr. Mackinlay.
118	Rose,	April 11, '74,	109,	28,	Mr. Blanchard.
119	Flora,	May 27, '74,	111,	1 1,	do.
120	Jessie Brown,	Sept. 6, '73,	179,	115,	do.
125	Belle of Avondale,	April, 1873,	185,	189,	Mr. P. Jack, Bellahill.
126	Miss Strang.	May, 1873,	187,	188,	Col. Starratt.
127	Daisy,	May, 1875,	187,	189,	Mr. Ruben Hart.
128	Primrose,	Jan. 22, '74,	109,	100,	Mr. Blanchard.
130	Park 4th,	May 7, '73,	191,	184,	Dr. Lewis, Halifax.
131	Lilly 2nd,	May, 1871,	192,	193,	Mr. Burrell, Yarmouth.
132	Lilly 3rd,	July 5, '74,	194,	131,	do.
133	Lilly 4th,	June 3, '75,	194,	131,	do.
134	Crocus 2nd,	April 25, '73,	101,		Col. Starratt.
135	Beauty,	April 3, '75,	111,	101,	Mr. Blanchard.
140	Polly Perkins,	May 22, '75,	200,	27,	do.
141	Dolly Yarden,	June 17, '75,	200,	106,	do.
142	Mrs Ford,	May 10, '76,	42,	28,	do.
143	Ann Page,	June 26, '76,	42,	27,	do.
145	Daisy,	June 10, '76,	149,	134,	Col. Starratt.
146	Dorcas,	Mar. 27, '72,	202,	203,	do.
147	Spot,	April 21, '75,	204,	205,	do.
148	Alice Oak,	May 30, '75,	204,	206,	do.
207	Lady Windsor,	Feb. 5, '74,	200,	78,	Mr. Wiggins, Windsor.
208	Lady Panucke,	Mar. 3, '75,	200,	78,	do.
209	Lady Avon,	Mar. 11, '75,	200,	78,	do.

REFERENCE NUMBERS TO AYRSHIRE SIREs AND DAMS.

- 150. Agnes, See No. 22 of old Herd Register, 1st prize U. C.
- 151. Compton, Ayrshire Bull, see do., No. 28.
- 152. Prince of Wales (Wheeler).
- 153. Dairy Maid do.
- 154. Spotted Beauty (Thompson).
- 155. Heather Jock (Thompson).
- 156. Minnie do.
- 157. Hine-ear.
- 158. Cow, winner of 1st prize in 1861 (Leishmalagow).
- 159. Bull, from Stock of Mr. Drew, Merryton.
- 166. Priscy, by Napoleon.
- 167. Coburg Farmer.
- 168. Nom (672).
- 169. Diamond (148).
- 170. Ceres (301).
- 171. Sambo (836).
- 172. Red Plum (1776).
- 173. Girvan (575).
- 174. Martha (597).
- 175. Woodstock, by Eglantine.
- 176. Oswald (52).
- 177. Daisy (43—Mr. Oswald).
- 178. Oxford Boy 1st.
- 179. Oxford Boy 2nd, by Woodstock.
- 180. Conqueror (Fleming, Strathaven).
- 181. Alice do. do.
- 182. Prince Herbert, 1386, Am.
- 183. Crocus, (524—Vallance).
- 184. Park 2nd (288), 1702 (Drew).
- 185. Prince (Fleming, Strathaven).
- 186. Beauty, do.
- 187. Browncastle Lad, do.
- 188. Betsey, do.
- 189. Pink, do.
- 190. Priscy 2nd, by Napoleon (Jardine).
- 191. Mars (298), 715.
- 192. Eclipse (137—Cuthbert).
- 193. Scotch Lassie, by P. of Wales (305).
- 194. Lord Dufferin, by Ld. Lisgar (693).
- 195. Crocus (524—A. Vallance, Strathaven).

- 196. Wanshakum (230), Am.
- 197. Tilly (491), Am.
- 198. Emperor (1st prize, Strathaven).
- 199. Empress (1st prize, Wishaw).
- 201. General (out of Kate by Georlie), sent by Fleming from Strathaven to South Africa.
- 202. Glengarry (imported), out of Edna by Young Glengarry, both prize takers in Scotland.
- 203. Drusilla, 1089, Am. A. H. B.
- 204. Selwyn, 622, Ca., 1448 Am.
- 205. Fanny, 37, N. B.
- 206. Nora Oak, 1690, Am.

HEREFORD BULLS.

NO.	NAME.	WHEN CALVED.	SIRE.	DAM.	OWNER.
20	The Moreton Chief,	Oct. 31, '65.	101,	102,	East Annapolis.
23	Sir William,	Oct. 27, '65,	101,	103,	Halifax.

REFERENCE NUMBERS TO HEREFORD SIRES AND DAMS.

- 101. Guelph (2023)
- 102. Gentle 3rd. See No. 20 of old Herd Register.
- 103. Vanquish. See No. 23 of ditto.

DEVON BULLS.

NO.	NAME.	WHEN CALVED.	SIRE.	DAM.	OWNER.
9	The General,	April 20, '58,	143,	144,	Windsor Ag. Soc.
10	Bruno,	Imp. Oct., '64,			
19	Duke,	Jan 14, '66,	141,	142,	Shubenacadie Ag Soc.
37	Captain Jinks,	April 17, '68,	141,	145,	Onslow do.
38	Theodore,	May, '68,	146,	147,	
81	General Grant,				
84	Ontario,				
87	Hartland the 2nd,				
106	Havelock,	June 25, '09,	152,	153,	Colonel Laurie.
115	Wellington,	May 2, '74,	106,	102,	do.
116	Sir Hastings,	Nov. 2, '74,	106,	104,	do.
118	Lord Clyde,	April 20, '75,	104,	102,	do.
120	The President,		87,	119,	do.
122	Prince Alexander,	Sept. 18, '74,	156,	157,	do.
123	Prince Alb. Victor,	Feb. 23, '75,	150,	158,	do.
126	Sir Charles Napier,	May 20, '75,	106,	107,	do.
137	Sir John Moore,	June 2, '75,	106,	105,	do.
140	General Wolfe,	June 28, '76,	120,	114,	M. E. Marshall, Paradise

DEVON COWS AND HEIFERS.

NO.	NAME.	WHEN CALVED.	SIRE.	DAM.	OWNER.
101	Lady Ann,	May 19, '65,	148,	149,	Colonel Laurie, Oakfield.
102	Primrose,	June 8, '68,	150,	101,	do.
103	Lady Pink,	May 6, '69,	150,	101,	do.
104	Maid of Miller Hill	April 25, '71,	150,	101,	do.
105	Blossom,	Nov. 3, '71,	81,	151,	do.
107	Violet,	Dec. 26, '72,	81,	103,	do.
108	Daisy,	July 28, '73,	81,	104,	do.
109	Buttercup				
110	Mayflower } twins,	June 18, '73,	81,	101,	do.
111	Geranium,		81,	102,	do.
112	Rose,	Jan. 15, '74,	84,	103,	do.
113	Lily,	May 4, '74,	106,	105,	do.
114	Verbena,	June 9, '74,	106,	101,	do.
117	Tulip,	Dec. 1, '74,	106,	103,	do.
119	Margaret,	April 26, '70,	150,	101,	do.
121	Miss Grant,		?	119,	do.
124	Princess Dorothea,	June 28, '74,	?	159,	do.
125	Princess Victoria,	July 29, '74,	106,	160,	do.
128	Orange,	July 12, '75,	106,	101,	do.
129	Kalmia,	Sept. 7, '75,	87,	119,	do.
130	Snowdrop,	Nov. 13, '75,	106,	103,	do.
131	Pansy,	Nov. 12, '75,	106,	104,	do.
132	Myrtle,	Feb. 26, '76,	106,	102,	do.
133	Geranium 2nd,	May 2, '76,	106,	105,	Mr. James A. Dickey.
134	Marigold,	May 9, '76,	106,	107,	Colonel Laurie.
135	Daisy 2nd,	June 11, '76,	106,	107,	Mr. James A. Dickey.
136	Poppy,	June 21, '76,	120,	113,	Colonel Laurie.
137	Moss Rose,	June 22, '76,	106,	115,	do.
138	Larkspur,	July 14, '76,	106,	110,	do.
139	Carnation,	July 28, '76,	106,	119,	do.

REFERENCE NUMBERS TO DEVON SIRES AND DAMS.

- 141. Jeff. Davis [248].
- 142. Maud "58."
- 143. Norfolk the 3rd by Norfolk 2nd by Norfolk 1st (266, Davy's Devon H. B.)

- 144. Jenny Lind 2nd by P. Albert (G. Paterson).
- 145. Empress by Lord Elgin [156].
- 146. Young Hero, (Dr. Lowe, Howmanville.)
- 147. Fairy by Conqueror [105].
- 148. Lord Elgin [256].
- 149. Fancy [244].
- 150. Wilmot [261].
- 151. Margaret [381].
- 152. Prince of Wales [441].
- 153. Dainty [254].
- 156. Napier, 888 Eng., 1st Royal (at Her Majesty's farm.)
- 157. Snowdrop 2nd (H. M. the Queen) out of Snowdrop, 1645 (H. R. H. Prince Consort.)
- 158. Jenny (at H. M.'s farm. Windsor.)
- 159. Beatrice (bred by H. M. the Queen.)
- 160. Young Hagar (at Her Majesty's farm.)

JERSEY BULLS, COWS AND HEIFERS.

NO.	NAME.	WHEN CALVED.	SIRE.	DAM.	OWNER.
101	Round Robin,	Mar. 3, '75,	103,	105,	Mr. I. Longworth.
102	Marionette,	Jan. 1, '76,	111,	110,	Mr. G. M. Patten.
103	Lord Seafield,				Hx. Co. Ag. Soc.
104	Lady Pride,		109,	108,	
105	Fairy,		107,	106,	
106	Lady Jane.				
107	Young Glory.				
108	Silver Star.				
109	Duc de Normandie.				
110	Marchioness of Bristol, 2763.				
111	Mandarin, 1041. (See 102.)				

On Friday last a special Grand Trunk train left Toronto en route for the Philadelphia Exhibition. It consisted of the engine and 14 cars containing about fifty-four horses sent by Ontario exhibitors. The animals were all magnificent specimens, and the agricultural and heavy draught horses will compare favourably with any that can be produced by other countries. Of the fifty-four horses, twenty-seven were collected in Toronto and twenty-seven in Paris. Their total value is estimated at \$86,000, an average of nearly \$1,600 apiece. It might be mentioned that a fine pair of iron grey geldings weighing 4,100 lbs. were sent from Toronto by Mr. W. Boyd, and attracted great attention.

The train will run through in express time, and it is expected will reach Philadelphia on Sunday. At Buffalo a break in the journey has been arranged for, so as to give the horses a beneficial rest. Every care has been taken to secure the comfort and well-being of the animals, each of which is provided with a well-constructed stall, thoroughly padded, so as to reduce the chances of injury in transit to a minimum. Mr. Mc-Dougall, the Commissioner for Ontario, has been indefatigable in his exertions to secure complete arrangements in every detail connected with their transit and exhibition.—Globe.

**RESERVING TOMATOES.**—In order to preserve tomatoes through the year, it is not necessary to resort to the expense of canning them. If stewed in the ordinary manner, but without butter or crackers, only a little salt and sugar, they can be put into jugs—two quart or gallon, according to the size of the family—and if corked up tightly will keep for a year. To make assurance doubly sure, some melted wax may be poured around the corks. Tomatoes may also be dried easily. Skinned and prepared with a little sugar they make a good substitute for figs, and are sold under the name of tomato figs.

MR. DICKSON, on the Gibbs farm, near Oshawa, cut forty acres of wheat, and from the whole forty acres does not get enough wheat to make a loaf of bread. The rust completely blighted it.

It will be interesting to the consumers of whortleberries to know that in Michigan the Indians gather the fruit in their boots.

THE following additions have been made to the Nova Scotia Live Stock Registers:—

## SHORT-HORN COWS AND HEIFERS.

CXXXVIII.—DAIRY QUEEN. Red and white. Calved December 23rd, 1868. Bred by James Cowan, Clockmohr, near Galt, Co. Waterloo, Ont. The property of C. F. Eaton, Cornwallis, N. S. Sire—Oswald Cray [514] by Sheldon's Oxford Lad by Duke of Glo'ster. Dam—Dairy Spot by Snowball [696], 3444.

g. d.—Queen by Dallimore, 400\*.  
g. g. d.—Fancy by Wellington [791].  
g. g. g. d.—Donna Maria by Duke [175], 440.  
g. g. g. g. d.—Nancy *alias* Countess 3rd by Wellington [790], 1086.  
g. g. g. g. d.—Countess 1st by a son of Comot (155).  
g. g. g. g. d.—Princess (imp.) by Lancaster (360).  
g. g. g. g. g. d.—Golden Pippin by North Star (459).  
—by Favourite (252).  
—by Favourite (252).  
—by Favourite (252).  
—by Broken Horn (95).  
—Bred by Mr. Best of Manfield.

CXXXIX.—ROSE OF THE VALLEY, 61 N. B. Red and white. Calved 22nd April, 1873. Bred by Albert Fawcett, Sackville, Westmoreland Co., N. B. The property of C. F. Eaton, Cornwallis, N. S.

Sire—Bismark, 39 N. B. by Bellabona by Royal Duke.  
Dam—Flora, imported by Provincial Board of Agriculture, N. B., 1870.  
g. d.—Rosehill by Prince Alfred [553].  
g. g. d.—Daisy by Duke of Athol [183], 1462.

g. g. g. d.—Strawberry by Prince Albert [545], 5085.

g. g. g. g. d.—Rosanna by Young Forester, 67.

g. g. g. g. g. d.—Beauty by Brilliant [73], 30.

CXL.—MOLLY BAWN. Roan. Calved May 28th, 1876. Bred by and the property of C. F. Eaton, Cornwallis, N. S.

Sire—Baron Clayton, 33 N. B. (imported.)

Dam—Dairy Queen by Oswald Cray [514].

g. d.—Dairy Spot by Snowball [696], 3444.

g. g. d.—Queen by Dallimore, 400\*.

g. g. g. d.—Fancy by Wellington, [791], &c., &c., as in No. CXXXVIII.

CXLII.—PEERLESS THE FIRST. Red with white star and a little white. Calved 25th May, 1876. Bred by and the property of Thomas Brennan Jacques, Church Street, Cornwallis. Sire—Brunswick [831].

Dam—Nellie, CXIII (16766) by Lord York, LXXXIII (26766).

g. d.—Peerless, CII, by Joe [371].

g. g. d.—White Lily by Wentworth [800].

g. g. g. d.—Snowdrop by Wellington [792], 183.

g. g. g. g. d.—White Rose by May Duke [452], 102.

g. g. g. g. g. d.—Young Lily by Young Farmer [243], 62.

g. g. g. g. g. g.—Lily by Warden (1563).  
—Beauty by Rockingham (560).

—by Sir Harry (1444).

—by Colonel (152).

—by a son of Hubback (319).

CCL.—DOLLY GWYNNE. Roan. Calved 23rd August, 1876. Bred and owned by Prof. Lawson, Lucyfield, Co. Halifax. Sire—Gwynne of the Forest, CXIX.

Dam—Polly Vaughan, CXXIV, by Seventeenth Duke of Oxford, 25994.

g. d.—Rose Gwynne, 4th, CXXIII, by Duke of Cumberland, 21584.

g. g. d.—Rose Gwynne 2nd by General Jackson 2nd, 17954.

g. g. g. d.—Rose Gwynne by General Jackson, 14604.

g. g. g. g. d.—Rosebud by Mango, 4359.

g. g. g. g. g. d.—Cowslip by Wallace, 5586.

g. g. g. g. g. g.—by Tom Gwynne, 5498.

g. g. g. g. g. g.—by Marmion, 406.

g. g. g. g. g. g. g.—Bred by Mr. Matthews of Durham.

## SHORT-HORN BULL.

CXLI.—PETER. Red and a little white. Calved May, 1873. Bred by W. Fawcett, Sackville, N. B. The property of Onslow Agricultural Society. Registered by Edwin Chase, Cornwallis. Sire—Bon Butler, 40 N. B.

Dam—Dairy Queen, 31 N. B., CXXXVIII.

g. d.—Dairy Spot by Snowball [696].

g. g. d.—Queen by Dallimore, 400\*.

g. g. g. d.—Fancy by Wellington [791], &c., &c., as in preceding number CXXXVIII.

## AYRSHIRE HEIFERS.

CXL.—POLLY PERKINS. White and red. Calved 22nd May, 1875. Bred by Edward Blanchard, Ellershouse. Owned by C. Prescott Blanchard, Truro.

Sire—Lord Raglan.

Sire—Miss Cuthbert, XXVII.

CXLI.—DOLLY VARDEN. White and red. Calved 17th June, 1875. Bred by Edward Blanchard. Owned by C. Prescott Blanchard, Truro.

Sire—Lord Raglan.

Dam—Torta.

CXLII.—MRS. FORD. Red and White. Calved May 16th, 1876. Bred and owned by C. Prescott Blanchard, Truro.

Sire—Young Prince of Wales, XLII.

Dam—Josephine, XXVIII.

g. d.—Miss Cuthbert, XXVII.

CXLIII.—ANN PAGE. Red and white. Calved June 26th, 1876. Bred and owned by C. Prescott Blanchard, Truro. Sire—Young Prince of Wales, XLII. Dam—Miss Cuthbert, XXVII.

## AYRSHIRE BULL.

CXLIV.—SCOTT. Red and white. Calved May 25th, 1875. Bred by and the property of Colonel Starratt, Paradise, Annapolis.

Sire—General, (out of Kate by George), sent to South Africa.

Dam—Miss Stang, CXXVI, (out of Betsy by Browncastle Lad), imported from Lanarkshire by Central Board of Agriculture, 1875.

## AYRSHIRE HEIFER.

CXLV.—DAISY. Red and white. Calved June 10th, 1876. Bred by and the property of Colonel Starratt, Paradise.

Sire—Lord Lisgar (693) imported by Central Board of Agriculture.

Dam—Crocus 2nd, CXXXIV, by Mars (298) 715.

g. d.—Crocus (524).

g. g. d.—Hairstock,

## JERSEY HEIFER.

CII.—MARIONETTE. No. 4779 of Herd Register of American Jersey Cattle Club. Calved Jan'y 1st, 1876. Bred by Holden Borden Bowen, Bristol, U. S. A. Imported by and the property of George M. Patten, Hebron, Co. Yarmouth, N. S. Sire—Mandarin, 1041 (imported by Mr. Bowen in his dam 'Ville de l'Aor, 2474).

Dam—Marchioness of Bristol, 2763 (imported by Mr. Bowen in her dam Regina 2nd, 2475).

## DEVON HEIFERS.

CXXXII.—MYRTLE. Calved 26th of February, 1876. Bred and owned by Colonel Laurie, Oakfield.

Sire—Havelock, 106.

g. s.—Prince of Wales.

Dam—Primrose, 102, by Wilmot.

g. d.—Lady Ann, 107, by Lord Elgin.

g. g. d.—Fancy by Don Juan.

CXXXIII.—GERANIUM 2nd. Calved 2nd May, 1876. Bred and owned by Colonel Laurie, Oakfield.

Sire—Havelock, 106.

g. s.—Prince of Wales.

Dam—Blossom, 105, by General.

g. d.—Margaret, 119, by Wilmot.

g. g. d.—Lady Ann, 101, by Lord Elgin.

Since sold to James A. Dickey, Esq., Hillside Farm, Amherst.

CXXXIV.—MARIGOLD. Calved May 9th, 1876. Bred and owned by Colonel Laurie, Oakfield.

Sire—Havelock, (106).

g. s.—Prince of Wales.

Dam—Violet, (107), by General Grant.

g. d.—Lady Pink, (103), by Wilmot.

g. g. d.—Lady Ann, (101), by Lord Elgin.

CXXXV.—DAISY 2nd. Calved June 11th, 1876. Bred and owned by Col. Laurie, Oakfield.

Sire—Havelock, 106.

g. s.—Prince of Wales.

Dam—Lady Ann, 107, by Lord Elgin.

g. d.—Fanny by Don Juan.

g. g. d.—Roulette by The Duke.

Since sold to James A. Dickey, Esq., Hillside Farm, Amherst.

CXXXVI.—POPPY. Calved June 21st, 1876. Bred and owned by Colonel Laurie, Oakfield.

Sire—President, (120).

g. s.—Hartland 2nd.

Dam—Lily, (113), by Havelock, 106.

g. d.—Blossom, (105), by General Grant.

g. g. d.—Margaret, (119) by Wilmot.

CXXXVII.—MOSS ROSE. Calved June 22nd, 1876. Bred and owned by Colonel Laurie, Oakfield.

Sire—Havelock, (106).

g. s.—Prince of Wales.

Dam—Rose, (112), by Hartland 2nd.

g. d.—Lady Pink (103), by Wilmot.

g. g. d.—Lady Ann, (101), by Lord Elgin.

CXXXVIII.—LARKSPUR. Calved July 14th, 1876. Bred and owned by Colonel Laurie, Oakfield.

Sire—Havelock, 106.

g. s.—Prince of Wales.

Dam—Mayflower, 110, by General Grant.

g. d.—Lady Ann, 101, by Lord Elgin.

g. g. d.—Fanny by Don Juan.

CXXXIX.—CARNATION. Calved July 26th 1876. Bred and owned by Colonel Laurie, Oakfield.

Sire—Havelock.

g. s.—Prince of Wales.

Dam.—Margaret, (119), by Wilmot.

g. d.—Lady Ann, (101), by Lord Elgin.

g. g. d.—Fanny by Don Juan.

#### DEVON BULL.

CXL.—GENERAL WOLFE. Calved June 28th, 1876. Bred and owned by Colonel Laurie, Oakfield.

Sire—President, 120.

g. s.—Hartland 2nd.

Dam—Verbena, 114, by Havelock.

g. d.—Lady Ann, 101, by Lord Elgin.

g. g. d.—Fanny by Don Juan.

Since sold to M. E. Marshall, Esq., Paradise.

#### AYRSHIRE COWS AND HEIFERS.

CXLVI.—DORCAS. Brown & white, about half brown, much spotted; irregular white spot in forehead, extending downward on right side towards a white spot near right nostril. Muzzle dark. Calved March 27th, 1872. Bred by Messrs. Sturtevant, S. Framingham, Mass. The property of Colonel Starratt, Paradise.

Sire—Imp. Glengarry, out of Edna by Young Glengarry, a bull in Scotland. Both prize takers in Scotland.

Dam—Imp. Drusilla, 1089 A. H. B., by Glengarry.

g. d.—Old Fanny, winner of three first prizes at Beith show in Scotland.

Both Edna and Drusilla won first prizes at Stranraer show in 1867 and 1868, and at Dumfries great Union show in 1867.

CXLVII.—SPOT, 72 N. B. Red and white, well marked. Calved April 21st, 1875. Bred by Hugh McMonagle, Sussex, King's Co., N. B. Imported into Nova Scotia by D. W. Landers, Margaretsville, Annapolis. The property of Col. Starratt, Paradise, Annapolis.

Sire—Selwyn, 622 Ca., 1448 Am.

Dam—Fanny, 37 N. B.

CXLVIII.—ALICE OAK, 73 N. B. Red and white. Calved May 30th, 1875. Bred by Hugh McMonagle, Sussex, Kings Co., N. B. Imported by D. W. Landers, Margaretsville, Ann. The property of Colonel Starratt, Paradise, Ann.

Sire—Selwyn, 622 Ca., 1448 Am.

Dam—Nora Oak, 1690 Am.

#### HABITATS OF THE NATIVE FERNS OF NOVA SCOTIA.

BY REV. E. H. BALL.

*Polypodium vulgare*. (L.) On Rocks. Halifax, N. W. Arm. Dartmouth, a mile or so outside the town along the road towards Bedford, &c., &c.

*Adiantum pedatum*. (L.) Newport, Hants Co. Exact locality not known. Found by Mrs. Bennet.

*Pteris aquilina*. (L.) Common everywhere.

*Woodwardia Virginica*. First found by Miss Lawson, growing at Summer Rest, the estate of H. Lawson, Esq., on the further side of the N. W. Arm, Halifax.

*Asplenium Trichomanes*. (L.) Near Three Mile House, Halifax. (Dr. Somers.) Hartley Water-fall, Pirate Harbor, Strait of Canso: Rocks on banks of Gold River near Chester Basin, Lunenburg Co.: very scarce in latter habitat; probably only two specimens to be found. (Last two habitats, Rev. E. H. Ball.)

*Asplenium thelypteroides*. (Michx.) Windsor; Halifax; Mount Dalhousie; Port Mulgrave commons, high up and by a brook side; Broad Cove fall, and Atwaters fall, Boylston, Guysboro' Co.; Rawdon, Hants Co., by a brook near the Church; Spring Hill, Cumberland Co., about a mile from Mr. Miller's towards Windham Hill.

*Asplenium filix-femina*. (Bernh.) Common everywhere.

*Phegopteris polypodioides*. (Fée.) Very common.

*Phegopteris Dryopteris*. (Fée.) Common.

*Aspidium Thelypteris*. (Swartz.) Quite common in swamps.

*Aspidium Nov-Eboracense* (Swartz.) Common in moist woods.

*Aspidium fragrans*. (Swartz.) High up on the face of the rock at the Hartley Waterfall, Pirate Harbor, Strait of Canso, Guysboro' Co. (Rev. E. H. Ball.)

*Aspidium spinulosum* (Swartz.) var. *intermedium*. Common everywhere.

Var. *dilatatum*. Atwaters fall, Boylston, Guysboro' Co.; Ravine near mouth of brook running under road between residence of Styles Hart, Esq., J. P., and the School House, Guysboro Co.; woods between Guysboro' and Pirate Harbor; along road-side between Margaret's Bay and Hulbard's Cove. Though rather common it may not be readily distinguishable from the variety *intermedium*, but in the two first given habitats, which are the only two I can distinctly specify, it is found growing interspersed with *intermedium* and is readily distinguished.

Var. *obliquum*. This variety is readily distinguishable from the others by the upright rather rigid growth of the fruitful fronds, with their dark colored stipes and rachis, the oblique setting of the pinnae and pinnules, and the *distinctly elongated triangular form of all the pinnae*. It is rather common along the road-side from between Halifax and Margaret's Bay to Mahone Bay.

Var. *dumetorum*. Of dwarf size, the fronds, though fruitful, less than 12 inches long; glandulous all over. Near Bedford. (Peter Jack, Esq.)

*Aspidium cristatum*. (Swartz.) Common in moist swampy places.

*Aspidium filix-mas*. (Swartz.) Whycoconah, Cape Breton. The only known habitat in the Maritime Provinces for this fern. It was found by A. W. H. Lindsay, Esq., M. D.

*Aspidium marginale*. (Swartz.) Common on rocky hill sides. Near Dartmouth, along the shore road towards Bedford, opposite Richmond; Gold River, Chester; Rocks near an old mill at Rawdon; Pomquet Island, off Bayfield, Antigonish Co., &c., &c.

*Aspidium acrostichoides*. (Swartz.) Common in hard-woods.

*Aspidium aculeatum*. (Swartz.) Var. *Braunii* (Koch.) Sherman's mountain, Port Mulgrave; Ehler's water-fall, near Guysboro', (Rev. E. H. Ball.) Marble Mountain, Bras D'Or Lake, C. B., Professor How, D. C. L.

*Cystopteris bulbifera*. (Bernh.) Only known habitat for this fern in the Province is the base of the rock at Hartley waterfall, Pirate Harbor, Strait of Canso, (Rev. E. H. Ball.)



*Cystopteris fragilis*. Rocky river banks and shaded ravines. Clam Harbor river, near the bridge; Broad Cove fall; Atwater's fall; falls of the LaHave at New Germany, especially under the saw mill, Lunenburg Co., (Rev. E. H. Ball.)  
Var. *Mac Kayii*. Near Mount Dalhousie.

*Struthiopteris Germanica*. (Willd.) Home field of Styles Hart, Esq., J. P., Boylston, Guysboro' Co.; head of mill pond, between Waterville and Falmouth, Hants Co.; between Windsor and Brooklyn, Hants Co.; brook-side, near the Church, Rawdon, Hants Co.; between Rawdon and Lakelands; near River Hebert on road side by a brook-ford above saw mill on the road from Maccan, Cumberland Co.; several habitats along road side from Spring Hill to Windham Hill; woods near Bennett's Mines, Cumberland Co. V. C.—(Rev. E. H. Ball.)

*Onoclea sensibilis*. (L.) Common in swamps.

*Woodsia obtusa*. (Torr.) The Falls at Windsor. (Professor How, D. C. L.)

*Woodsia Ilvensis*. (R. Brown.) Wyecocomah, Cape Breton. (A. W. H. Lindsay, M. D.) Abundant on rocks of Gold River, near Chester. (Rev. E. H. Ball.)

*Dicksonia punctilobula*. (Kunze.) Very common.

*Osmunda regalis*. (Lin.) Common in swamps, rivers and brooks.

*Osmunda Claytoniana*. (L.) Common in moist places.

*Osmunda cinnamomea*. (L.) Common in swamps and moist places.

Var. *frondosa*. Near Windsor. (Prof. How, D. C. L.)

*Botrychium simplex*. (Hitch.) Found by Professor How, D. C. L., of King's College, Windsor.

*Botrychium Virginicum*. (Swartz.) Pictou (Prof. McKay, B. A.) Around the borders of cultivated fields, back of lower part of Port Mulgrave Commons. (Rev. E. H. Ball.)

*Botrychium lunarioides*. (Swartz.) Lower and cultivated parts of Cape Porcupine; woods near Clam Harbor bridge, Guysboro' Co.; along road thence to Guysboro' river; field at head of Broad Cove, Boylston, Guysboro' Co.; along road from Cornwall to New Germany, Lunenburg Co.; low marsh on outskirts of Bridgewater, near Holy Trinity Church; Oaklands Lake, Mahone Bay; very common on Parsonage Glebe, Rawdon; Commons stretching between Maccan river and Bennett's mines. (Rev. E. H. Ball.) Var. *obliquum*. Along roadside from Barss' corner to the LaHave, New Germany, Lunenburg Co. (Rev. E. H. Ball.); and Oaklands Lake, Mahone Bay. Var. *dissectum*. Roadside between Barss' corner and the LaHave, New Germany, Lunenburg Co. (Rev. E. H. Ball.)

POLLY VAUGHAN by Seventeenth Duke of Oxford, dropped a fine roan Heifer calf on 23rd August, at Lucyfield. The calf is sired by Gwynne of the Forest, and is so like its mother, "bless its little art." Name—Dolly Gwynne, No. 201.

AMONG the additions to the Herd Book Registers this month there are three Ayrshire females raised by George Wiggins, Esq., of Windsor, from the cow Flora (75) imported by the Board in 1872, and sired by the Windsor Ayrshire Bull Lord Raglan (200) imported at the same time.

### THOROUGH-BRED BULLS FOR SALE.

THE well-known Short-horn Durham Bull, GENERAL GRANT, and the Ayrshire Bull DUKE OF EDINBURGH, now owned by the Annapolis Royal Agricultural Society, will be offered for sale in front of the Court House, in Annapolis town, on Tuesday, the 5th day of December next, at 3 o'clock in the afternoon.

General Grant took first prize for thorough-bred Short-horn Durhams, at the Provincial Exhibition held at Halifax, in October, 1874.

The Ayrshire Bull Duke of Edinburgh was imported in the celebrated Cow Effie the Second, by the Central Board of Agriculture, and sold to the Yarmouth Agricultural Society in 1872. The above animals are registered in the Nova Scotia Herd Book. For pedigrees and further particulars apply to

STATHERN BAILEY,  
Annapolis, Sec'y A. A. Society.  
August 25th, 1876.

### NOTICE TO AGRICULTURAL SOCIETIES AND STOCK IMPROVERS. FOR SALE!

ONE or two Yearling and two year old BULLS, pure DEVONS, with certified pedigrees, and recorded in the Nova Scotia Register, may be purchased at Oakfield Farm. The Oakfield Herd is the finest Devon Herd in the Dominion and has been enriched, from time to time, by Cows and Bulls carefully selected from the best breeders in Ontario and from the Queen's Devon Herd at Windsor.

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—is published monthly by—

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No. 10, GRANVILLE STREET,

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TERMS OF SUBSCRIPTION:

Fifty cents per annum—payable in advance.  
Single copy five cents.