EDITORIAL :-

Dominion Grange, Patrons of Husbandry, 97; Fall or Winter Wheat, 97; Orchard, Garden and Forest, 97; Growth of the Oatmeal Trade, 98; Patent Rights, 98; Trip to England, 98; Agricultural College, 99; Wheat, 99; Millet for Winter Feed, 99; Monthly Cattle Fairs, 99.

POULTRY YARD:-

Roup, 99; Variety and Species in Poultry, 99; Crop Bound, 99; Pips in Chickens, 99; Cankered Throat or Diptheria, 99.

CORRESPONDENCE:

Small vs. Large Milkers, 100; Vineland—Grapes and Wine, 100.

PATRONS OF HUSBANDRY, 100.

Council of Agricultural and Arts Association, 101; The Kelso Farmers' Club, England, 101. THE APIARY :-

Queries, 101; Some Facts About Bees, &c., 101.

STOCK & DAIRY :-Color for Butter, 102; Early Maternity and Treatment of Cows, 102; Irish Heifer Beef, 102; Marketing Cattle, 102; To Sweeten Butter Firkins, 102; Hemp Seed to Prevent Abortion, 102; Cheese Factories in Canada, 102; Making Sheep Profitable, 102.

THE HORSE :-Breeding Horses for Farm Work, 103; Advance in Horses, 103; Bravo, Canada, 103.

AGRICULTURAL NOTES, Original and Selected : Potatoes and the Potato Beetle, 103; The Dangers of Paris Green, 103; Crops, 103; Paris Green and Canker Worms, 103; Value of Soot, 103.

English Scenes (3 illustrations), 104; Healing Power of Glue, 104; Exportation of Canadian Fresh Meat, 104; Corn Crop of the United States, 104; Horticultural Notes, 104; Sulphate of Iron or Copperas, 104; The Application of Manure, 105; The Weather and the Crops, 105; Value of Wheat Meal, 105; Pinching the Vines of Melons, 105.

AGRICULTURAL :-

Heavy Oats, 106; Sanfoin and Clover, 106; Hay-Making, 107; Stocking Down Impoverished Land, 107; Utilizing Waste Organic Material, 107; The Foreign Wheat Reports, 107; Farmers' Club, 107; Abont Hay, &c., 107.

Uncle Tom's Column, 108. MINNIE MAY'S DEPARTMENT, 109.

GARDEN, ORCHARD & FOREST :-Gardening Operations, 110; Potato Disease, 110; Phylloxera or Grape Root Louse, 110; Circulation of Sap, 110; The Curculio, 110; Apple Growing in New York, 110; Hungarian Grass, &c., 110.

Advertisements, 111, 112.

MARKETS.

London Markets.

London, Friday, June 19, 1874.

The offerings on the Market to-day 'were small-principally confined to a few loads of grain, hay, and about 2,500 to 3,000 lbs. of wool; the feeling in this latter commodity was hardly as firm; 37c. to 39½c. was paid, the last named quotation only once. In grain

Eastern and English markets as follows:

English quotations showed a rise of 2d on red wheat to-day. Montreal was quiet but firm. The West was firm and advanced about 1c. New York showed a rise of 1c. to 2c., No. 2 Chicago selling at \$1 41 to 81.42.

Stratford Cheese Market.

Stratford, June 17, 1874.

The offerings were 5,784 boxes of June, and 441 boxes of May; 4,024 boxes were sold at 11½c to 11½c.

New York Markets. New York June 19, 1874.

Flour: market a shade firmer and fair business reported; receipts, 12,000 bbls.; sales, 14,000 bbls, at \$4.70 to \$5,00 for superfine state and western; \$5.90 to \$6.50 common to good extra state; \$5.65 to \$6.50 common to choice extra western. Rye flour steady and in fair demand.

Wheat: the market to-day is firmer; receipts, 1,-435 bush.; sales, 52,000 bushels, at \$1,43 to \$1.44 for No. 2 Chicago; \$1.48 for No. 2 Milwaukee; \$1.48 to \$1.51 for No. 1 spring.

Rye quiet. Corn market more steady; receipts, 78,000 bushels sales, 46,000 bushels at 80c. to 82c. new and old wes tern mixed.

Barley nominally unchanged. Oats heavy; receipts, 72,000 bush.; sales, 20,000 bushels. at 60c, to 61c. for new western mixed; 67c. to 69c. white do.

Butter, 20c. to 30c. Cheese, 12c. to 143c.

Montreal Markets.

Montreal, June 22nd, 1874.

FLOUR—Receipts, 5,100 bbls. Market firm; the advanced views of holders checks business; we quote spring extras at \$5.60 to \$5.70; extras about \$6.10; superior, \$6.40 to \$6.50, with limited transactions. GRAIN—Wheat steady, 16,000 bushels No. 2 Milwau-like to extract the first of the state o kee to arrive. Sold at \$1.30 affoat. PEASE—98c, to \$1.00 per 66 pounds.

FAIRBANKS' STANDARD SCALES

The rapidly increasing demand for them FROM ALL PARTS OF THE WORLD Is the best proof of their Undoubted Superiority.

BUY ONLY THE GENUINE.

FAIRBANKS & COMP'Y

403 ST. PAUL STREET. MONTREAL.

FRUIT AND FRUIT AND TREES LARGE STOCK. LOW RATES.

STANDARD PEAR TREES A SPECIALTY

AGENTS WANTED. Address E. MOODY & SONS, Lockport, N. Y.

NIAGARA NURSERIES, established 1839.

FELIX CRAMER.

DESIGNER AND ENGRAVER ON WOOD AND METAL, 626 Craig [opposite St. George Street] MONTREAL.

All kinds of engraving on wood and metal, plain or in colors, done in a superior style at reasonable prices. 7-ly

J. H. WILSON, VETERINARY SURGEON,

Graduate of the Toronto Veterinary College.

Office—New Arcade. between Dundas street and Market Square. Residence—Richmond street, opposite the old Nunnery.

THE

Agricultural ASSURANCE ASSOCIATION

OF CANADA. HEAD OFFICE, - LONDON, ONT. Licensed by the Dominion Government.

CAPITAL 1ST JAN., 1871.

\$ 231, 242

Cash and Cash Items, \$72,289 55.

THIS COMPANY continues to grow in the public confidence. On 1st January, 1871, it had in force

34,528 POLICIES, Having, during the year 1870, issued the immense number of 12,319 Policies.

Intending insurers will note-

1st—That this is the only Fire Mutual in Canada that has shown its ability to comply with the law of the Dominion, and deposit a portion of its surplus funds for the security of its members,—\$25,000 having been so deposited 2nd-That being purely Mutual, all the assetsand

2nd—That being purely Mutual, all the assetsand profits belong solely to the members, and accumulate for their sole benefit, and are not paid away in the shape of dividends to shareholders as in the case of proprietary companies.

3rd—That nothing more hazardous thanfarm property and isolated dwelling houses are insured by this Company, and that it has no branch for theinsurance of more dangerous property, nor has it any connection with any other company whatsoever.

4th—That all honest losses are settled and paid for without any unnecessary delay.

5th—The rates of this Company are as low as those of any well established Company, and lower than those of a great many.

6th—That nearly four hundred thousand dollars have been distributed by this Company in satisfaction of losses to the farmers of Canada during the last ten years.

7th—That the "Agricultural" has never made a

last ten years.
7th—That the "Agricultural" has never made a second call on their members for payments on their

premium notes Farmers, patronize your own Canadian Company that has done good service amongst you. Address the Secretary, London, Ont., or apply to

any of the Agents.

TYTLER & ROSE, Family Grocers and Seeds men. Timothy and Clover seed; all kinds of field seed, turnip, mangel, etc., etc., imported direct by themselves and of the very best quality.

Land Plaster. TYTLER & ROSE, Wine merchants and Seedsmen, Dundas Street.

Cards neerted in this list for one dollar a ine per year if paid in advance; \$1.50 ifin arrears

BREEDERS DIRECTORY.

R. S. O'NEIL, breeder of Lincoln and Leicester Sheep and Short Horn Cattle. Birr P. O. ly J. S. SMITH, McGillivray, Breeder of Leicester Sheep and Durham Cattle, Ailsa Craig.

G. WELDRICK, Thornhill, Breeder of Cotswold Sheep. 11-u

GEO. JARDINE. Hamilton, Importer and Breeder of Ayrshire Cattle and Leicester Sheep. 11 J. BILLINGER, Richmond Hill. Ont., dealer in Canadian Bred Stallions. Best prices given for good Horses, and some first-class Horses for sale.

H. E. IRVING, Hamilton, Breeder of Galloway Cattle, Southdown and Leicester Sheep and Berkshire Pigs.

N. BETHELL, Thorold, Ont., Breeder of Short Horns, Berkshire and Yorkshire Pigs, Southdown and Loicester Sheep.

DAWS & CO, Lachine, P.Q, Importers and Breeders of Ayrshire Cattle, 8-ly J. PINKHAM, Westminster, Breeder of Devor cattle.

WALTER RAIKES, Barrie, P. O., Breeder of hort Horns and Berkshire Pigs. 72-1-y JOHN CRAWFORD, Malvern P.O., Breeder of Heavy Draught Horses and Cotswold Sheep. 1-y RICHARD RUNELSON, Galt, Breeder of Cotswold, Leicester, and Southdown Sheep.

W. LANG, St. Mary's, Breeder of Short Horns and Berkshire Pigs. A. PARK, Ingersoll, breeder of Ayrshire cattle.

J. FEATHERSTONE, Credit. breeder of Essex, Suffolk, and Vorkshire Pigs, and Cotswold Sheep. TEORGE MILLER, Importer and Breeder of Short Horn Cattle, Cotswold & Leicester Sheep, and Berkshire Swine, Markham P. O. 12

JAMES LAWRIE, Malvern P. O., importer and breeder of Ayrshire Cattle, Clydesdale Horses, Berkshire Pigs, and Leicester Sheep. 11-1y

GEORGE G. MANN, Bowmanville, Importer and breeder of Thorough-bred Devon Cattle. 11-1y.

JOHN SCOTT, Coldtsream, Breeder of Leicester Sheep and Short-Horn Cattle.

THOS IRVINE, Logans Farm, Montreal Breeder of Ayrshire Cattle, Clydesdale Horses, Yorkshire and Berkshire Pigs, and Leicester Sheep, 11-1y BRODIE, SON & CONVERSE, Breeders of Yorkshire Pigs and Ayrshire Cattle. Address Jas. Bro-die, Rural Hill, Jeff. Co., N. Y.; J. F. Converse, Woodville, Jeff. Co., N. Y.; Hugh Brodie, Belle-ville, Ont. 11-1y

W. HOOD, Guelph, Breeder of Galloway Cattle.

J. MILLER, Thistle-"ha," Brougham P. O., Breeder of Short-Horns, Cotswold Sheep, improved Berkshire Pigs and Clydesdale Horses. 11-ly.

R. LEAN, Coldsprings, Breeder of Leicester Sheep and Berkshire Pigs. 11-1y G. MORTON, Morton P. O., Breeder of Ayrshire Cattle. 11-1y.

JOHN SNELL & SONS, Edmonton, Breeders of Short-Horn Cattle. Leicester and Cotswold Sheep, and improved Berkshire Pigs. Winner of the Prince of Wales prize for the best Bull and five of his Calves at Provincial Exhibition, Kingston 1871.

F. W. STONE, Morton Lodge Guelph, Importer and Breeder of Short-Horn and Hereford Cattle, Cotswold and Southdown Sheep, and Berkshire and Yorkhire Pigs and Suffolk Horses.

JAMES COWAN CLOCKMOHR, Galt P. O. Breeder of Short-Horns Leiceste Sheep and Essex Pigs.

J R. HUNTER, Alma, Breeder and Importer of Short Horn Cattle.

FOR SALE—Imported and Thoroughbred

AYRSHIRE STOCK
Catalogues furnished on application.

S N WHITNEY, Montreal, P.Q., Canada.

HREE YEAR OLD AYRSHIRE BULL FOR SALE. Apply at this office. JOHN EEDY, Granton P.O., Biddulph Township Breeder of Lincoln, Leicester and Cotswold Sheep

WM. ASH, Breeder of pure Leicester and South Down Sheep, and Durham Cattle, Thorold. 2-y THOS, GUY, Sydenham Farm, Oshawa, Breeder of Ayrshire and Devon Cattle. 72-3-y

PETER COOK, Thorold, Ont., Breeder of Durham EDW. JEFFS, Bond Head, Breeder of Shor Horns, Leicester Sheep, Berkshire and Chester White Pigs. 72-3-y

JOHN BELLWOOD, Newcastle, Ontario. Canada, Breeder of Short Horn Cattle, Clydesdale Horses, Cotswold Sheep and Berkshire Pigs.—Young Bulls and Heifers for sale.

3-1y

SHORT HORNS, Ayrshires and Berkshire Pigs
The subscriber offers a few above a riveled OTHER DARKS, ASTRINGS AND DEFKRIFE PIGS
The subscriber offers a few choice animals of
the BEST BREEDS, male and female, from IMPORTED STOCK of the most approved strains.
Catalogues on application. M. H. COCHRANE,
Compton, P.Q. Canada.

M. & A. A. McARTHUR, Lobo, Breeders of Lei ester Sheep.

P. GRANT& SONS, Breeders of Lincoln Sheep Hamilton, Ont.

JAMES SHERLOCK Breeder of Berkshire pigs; a thoroughbred Berkshire boar for service.— Thamesford P. O. 3-1y

JAMES NIMMO, Camden East. Breeder of Ayrshire and Durham Cattle and Berkshire Pigs.

J. & P. BROOKS, Whalen P. O., Breeders of Leicester sheep. Carried of the prizes at Guelph and London in 1373. JOHN DARLING, Importer and Breeder of Lincoln and Leicester Sheep, McGillivray, Brins-ley P. O., Ont. 7-1y

ANIMALS FOR SALE.

CHORT HORN BULL FOR SALE. Aged 1 yr
For particulars apply to G. JARVIS, Byron.
CHORT HORNS FOR SALE—A few young
bulls; also a few Cows and Heifers—good
ones—good pedigrees, good color, mostly red.—
Come and ree, or address for particulars—

SETH HEACOCK. Oakiand Farm, Kettleby P. O., Ont

SHORT - HORN BULL CALF, 11 MONTHS OLD-VERY FINE. Address THOS. FULCHER, St. Thomas, Ont.

DURHAM BULL FOR SALE.—Nearly 2 years old, gold roan, just fit for a limited number of cows. Pedigree furnished. Apply to G. Jarvis Byron. Terms moderate.

LANDS FOR SALE COLUMN.

Condensed Advertisements of Farm for Sale Farm Wanted, and Stock (single animal) for Sale or Wanted, or Township Show Notice, when no exceeding 20 words will be inserted for TWENTY-FIVE CENTS EACH, PREPAID. One cent and one-half will be charged for each additional word over 20. These condensed advertisements are arranged under special headings. None others except the four classes mentioned above, will be inserted at these rates.

FOR SALE.

ACRES OF LAND, LOT 6, CON. 16, London Township, 70 acres cleared, 30 acres good timber; 15 miles from London, 1 mile from a gravel road, 3 miles from dranton Station. Soil clay loam, well fenced, well watered, good frame buildings. A first-rate farm. Price \$5,000. Good Young Orchard 19 miles from St. Mary's. Address. WM. TAYLOR, GRANTON.

FOR SALE.

5-2t

OT 37, Concession A, Township of Sydenham; 137 acres; 40 cleared. Excellent wheat land. Good frame house, barn and stable. Price—2800 dollars. Proprietor, WILLIAM GIBSON, LETTH P. O.

FOR SALE:

ONE OF THE BEST FARMS IN THE COUNTY OF KENT—Being Lot No. 15, lst. Concession, Township of Howard, containing 205 acres. 170 cleared, and the balance well timbered. There are on the farm a Log House and two Frame Barns, 36 x 56 and 36 x 60. Two orchards of choice fruit, one in full bearing, the other young. A spring creek runs the entire length of the clearing. The farm fronts on the river Thames, and is within half a mile of the Thamesville Station, G. W. R. R. For particulars apply to WM, WELD, London, or to JOSHUA MINSHALL, on the premises.



W. BELL & CO.. GUELPH, ONT.—PRIZE
Sole Proprietors and Manufacturers of "The Organette," containing Scribner's Patent Qualifying
Tubes Awarded the only medal ever given to
makers of Reed Instruments at Provincial Exhibitions, besides Diplomas and First Prizes at
other Exhibitions too numerous to specify. Caution.—As we have purchased the sole right of
manufacturing Scribner's Patent Qualifying Tubes
for the Dominion of Canada, we hereby caution
all parties from purchasing them elsewhere, as
they will be liable to prosecution. We have copyrighted the name of the "Organette" for our instruments containing this wonderful improvement.
Any manufacturer infringing on this copyright
will be prosecuted. Illustrated Catalogues furnished by addressing W. BELL & CO., GUELPH.
A S. Wheaton. Agent, 107, Duhdas St., London.

COTTON YARN.

WHITE, BLUE, RED and ORANGE. War-ranted the very best quality. None genuine without our label. Also, BEAM WARPS for Woollen Mills. WM. PARKS & CO., New Brunswick Cotton Mills, 4 tf St. John, N. B.

VOL. IX Au

August 1

the farmer favorable s part of the before Lan month was ology), and well estima market, an ing the sea The oat our attenti cut it in pi

readers ma lowing oat tails a gr danger of bright col miller or not bring over-ripe o pounds of quality as straw for if very rip all its nut

On the

grain will

sequently formed, n as dough very profi market, w vince has it is an ex saved, wi mangolds condition them. Before in the she or other g

tend to so farm. I seed whe seed grai the crush the mach causes o the soil mind, as duce grai seed whe and pure may cost Look t and sow

> Let not where th labor in e Weeds througha solely car quented a cant spot