SHIP NEWS.

PORT OF ST. JOHN. Arrived.

Arrived.

May 10—Sch D J Melanson. 134. LeBlanc, from Yarmouth, D J Seely and Sons, bal. Sch E A Lambert, 52. Copp. from Rockport, F Tufts, corn.

Coastwisc—Schs Fannie May, 19. Cheney, from North Head; Lelen M, 62. Hatfield, from Advocate Harbor; Dara, 63. Canning, from Parrsburo: Fred and Norman, 31. Trask, from Sandy Cove: Barges No. 1, 433. Warnock, and No. 2, 433. Salter, from Parrsboro; Little Annie, 19. Guptil, from Parrsboro; Little Annie, 19. Guptil, from Grand Harbor: Violetta, 10, Loogmire, from Annaociis; Leonie, 15. Dixon, from North Head; Citizen, 46. Woodworth, from Bear River; Cygnet, 79. Durrant, from Joggins: Hustier, 44. Gesner, from Bridgewater; Gazelia, 41. Mccris, from Advocate Harbor; s s Westport, 48. Powell, from Westport.

May 13—SS London City, 1560. Patersou, from London via Hallfax, Furness, Withy & Co, general.

SS Anaxo, 1921, Robinson, from Algiers, Wm Thomson & Co, bal.
Str State of Maine, Colby, from Boston, C E Laechler, mase and pass.

Coastwise—Sch Iona, 28. Spicer, from Windsor; Greville, 51, Baird, from Port Williams; Glide, 50, Tufts, from Quaco: Miranda B, 79, Day, from Aimas, Wanita, 42, Healy, from Annapaolis; Lida Gretta, 67. Ells, from Quacot Forest Flower, 25, Ray, from Margaretville.

May 14—Sch Linsie Cochrane, Sch Ira D Sturgis, Kerigan, from New York.

Sch Garfield White, Seely, from New York.
Sch Parlee, from New York.
Sch St Leon, from
Sch S A Fownes, from Boston, bal.
Sch Walter Miller, from Boston for New Sch Walter Miller, from Boston for New York, coal.
Sch Katie, from Sydney Shelburne, coal.
Sch Riverett, from Lubec, bal.
Sch Bioland, from Parraboro.
Sch Susie Frescott, from Boston.
Sch Lena Marid, from Boston.
May 15—Str Cumberland, 896, Allan, from Boston, C E Lacchier mise and passengers.
Str Flushing, Ingersoll, from Grand Manan, Merritt Bros & Co. mails, pass and mise.

Sch Comrade, 76, Dickson, from Boston, F Tuits, bal.

Sch Georgia E, Sc. Barton, from Boston, J
W McAlary Co. bal.

Sch Alice Maud, 124, Haux, from Boston, N C Scott, bal. Sch Flora, 56, Calor, from Hastport, massch Leo, 82, Springer, from Plymouth, J W McAlaray Co, bai, 1932 Sch Hunter, 38, Guesby, from Eastport, master bal. Sch St Croix, 71, Tracey, from Millbridge, F. This bal master bal.
Sch St Croix, Tt. Tracey, from Millbridge,
F Tufts, bal.
Sch O J Colwell, & Leonard, from New
Haven, F Tufts; bal.
Sch James Barter, 39, Camp, from Rockport, rolkin & Haffield, bal.
Sch Lizzie Cochrin, ba., Foss, from Eastport, master, bal.
Sch Everitt, 13., Kaby, from Machias, D
J Seely & Son, bal.
Sch Fred Jackson, 25, Weldon, from Belfinst, R C Elkin, bal.
Sch Ira D Sturgis, 223, Kerrigan, from
Boston, master, bal.
Coastwise-Schs, Chas, R Washington, A,
Woodworth, from Annapolis; Ripple, 16, Bezanson, from Hannsport, Melrose, 71, Haycock, from fishing, 14thu Burritt, 49, Spicer,
from Advorate: Milita Bell, 20, Wadlin, from
Beaver Harbor, Jessie, 17, Spicer, from Harborville; Temple Bar, 44, Longmire, from
Bridgetown, Maggie, 34, Scott, from Noel;
Amy J, Gl. Brown, frem Advocate: Beulah
Benton, 38, Mitchell, from Sandy Cove; Corinto, 97, Kennie, from River Hebert; Porpoise, 32, Ingersoit, from Grand Manan;
Vesta Peurl, 40, Perry, from fishing: Geo L. Sline, Wood, from Waterside;
Hustler, Gesnor, from Bridgetown; Hustler,
Crosby, from Salubh Rivar.

Cleared. May 12.—SS Cumberland, Allan, for Bos-

ton.

SS Bavaria, Blight, for Liverpool.

Sch Uranus, McLemb for Thomaston.

Sch Reporter, Glichest, for New York.

Coastwise-Schs Glitzen, Woodworth, for
Bear River, Violetta, Longmire, for Thorne's

Cove; Leanie, Dixon, for North Head; s s
Westport, Powell, for Westport; Theima,

Hudson, for Annapolis; R Carson, Sweet,

for do; Wm Mitchell, Hunter, for Hillsboro;

bark Boston Marine, Perter, for Tusket May 13-Str State of Maine, Colby, for Soston.
Sch Lizzie B. Belyes, for Thomaston.
Sch Prospect, Cameron, for Lubec.
Sch Sower, Fardis, for City Island I o.
Sch Emeline G Sawyer Rogers, for New

York. Sch C R Flint, Maxwell, for City Island Sch C R Flint, Maxwell, for City Island for Coastwise—Schs Evelyn, McDonough, for Quaco; Helen Mekerson, Brewster, for Hopewell Capae; Lida Grotta, Ellis, for Quaco; Margaret, Eldridge, for Beaver Harbor, Miranda B. Day, for Almaa; Cygnet, Burant, for Flyer Hebert; Fred and Norman, Trask, for Sanady Coye; Bay Queen, Barry, for Beaver Harbor; E A Lombird, Copn, for Wateralds; Three Links, Egan, for Moncton.

May 15—Str Cumberland, Allan, for Bos-Moncton. May 15-Str Cumberland, Allan, for Boston.

Sch Lizzie D Small, Ricker, for City Island fo.

Sch Nellie Blanche, Morrison, for Boston.

Sch Abbie Ingalia, Whildon, for New York. Bires Bel 130

CANADIAN PORTS.

Arrived.

At Chatham, May 19, bark Gunhilda, Hamilson, from Copenhagen.

At Newcastle, May 10, bark Norman, Burnley, from Liverpool.

At Moncton, May 11, Hattie C, Buck, from Newark Newark.
At Tusket Wedge, May 8, ship Stalwart, Cann, from Barbades.
At Hubbard's Cove, May 1, ship P G Cann, from Barbados.

At Hubbard's Cove, May , ship P G Blanchard, from Liverpool.

At Windsor May 6, sch Genesta, Scott, from Maitland; Sta, Benjamin C Cromwell, McLearn, from Boston.

At Chatham May 12, str Dorset, Me-Kenzle, from Campbolitos.

At Hopewell Cana, May 15, sch Roger Drury, Dixon, from Portland.

At Miramichl, May 15, str Cunaxa, Grady, from Newport. Cleared.

At Windsor, May 5, schs Wentworth, Gib-ion for New York; 6th, Jeannie Tippitt, for New York; 9th, Harold Borden, for Kingsport.
At Newcastale, May II, sch Gasper Embree, McLean, for Noank.
At Campbellton, May II, str. Dorset, Mc-Kenzle, for Chatham, Mtramichi.
At Grindstone Leand, May I2, str. Manuka, for Liverpool.

BRITISH PORTS.

At Calcutta, May 0, ship Brenda, Gifford, from New York.

At Cape Town, May 10, ship Fred B Scammell, Morris, from Penarth.

At Cardiff, May, 40, ship Machrihanish, Cain, from Hamburg.

At Barbados, April 28, sch. Herbert Rice, Comeau, from Melegham.

At Plymouth, May 15, ship Macedon, Pye, from Mobile (all Well).

From Belfast, Max 9, barks Echo, for Richlbucto 16th Handy for do. From Preston, May 9, bark Erstantiagen, for Miramichi From Sharpuess, May 3, bark Marie, for From Londonderry, May 9, bark Magna, for Campbellton, From Belfast, May 12, bark Alma, for Miramichi. Miramichi.
From Manchester, May 14, str. Pharsalia, Smith, for St. John.
From Barbados, April 24, bark Angara, Rodenheiser, for Antigua, to load for New n Sydney, NSW, May 12, ship Karoo, ass, for Shanghai.
From Table Bay, April 9, ship Treasurer,
Gnowlion for Newcastle, NSW.
From Nawcastle, NSW, March 21, bark
annberga, McDougall, for Manila, May 18,
ark Avonia, Porter, for Manila.

*FOREIGN PORTS. Arrived.

At New York, May 11, sch Irene E Merservey, from Si John.

At Peliadelphia, May 9, bark Alexander
Black, Buck, from Maceto.

At Manila, May 11, previously, bark Ascona, Ellis, from Newcastle, NSW.

At Newport News, May 11, str H M Poldock, Newman, from Baltimers.

At New York, May 11, ship Caldera, Mc-

Quarrie, from Euenos Ayres; bark Thetis, Oliver, from Philadelphia.

At New York, May 12 bark Altona, Colins, from Guantanamo; sch Gypsum King, Marsters, from Port Spain; 13th, bark Hillide, Morrill, from Antigua; schs Moia, Parker, from Macoris; Sir Hibbert, Rafuse, from San Lomingo City.

At Boston, May 12, bktn Ethel Clark, Buttman, from Clenfuegos.

At Pascagoula, May 12, scn John S Parker, Gesner, from Havana-ordered to Ship Island quarantine.

At Cadiz, May 8, sch Helen E Kenney, Morrell, from Oporto.

At Manila, May 11, previously, bark Ancons, Ellis, from Newcastle, NSW.

At Newport News, May 12, ship Kambira, Brownell, from Norfolk.

At Nortolk, May 12, str J J Hill, McLean, from New Bedford (and cleared to return).

At Port Natal. April 20, bark Conductor, Lombard, from Buenos Ayres.

At Mandeira, April 79 (not both), sch Lena Pickup, Roop, from Pascagoula.

G OUCE-TSP, Mass, May 15—Ard, schs Barmo 1, from B+ ton, to load for Westboro, Na; A Hoojer, from Calais.

BSTO, May 15—Ard, schs Union, from St John: Edia and Jennie, from Grand Manan; Mary Fileo, from Calais; Julia and Martha, from do Clo, "r Ca ada, for Hillsboro; Wm Jones, for do; H R Emerson, for do; Annie, for Salmon River; Ella E Tanner, for Meteghan; Lap at a, for Alregsport.

Sid, sch &delaide, for Hillsboro.

Cleared.

Cleared.

At Norfolk, May 10, ship Kambira, Brownell, for Newport News.

At Pensacoia, May 10, bkin Golden Rod, McBride, for Rosario.

At New York, May 10, schs Allan A McIntyre, Somerville, for St John; Gypsum Queen, Goodwin, for Windsor.

At New York, May 11, schs Avalon, Wagner, for Digby, NS (voyage of May 6 abandoned; Joseph Hay, Phipps, for St John.

At New York, May 12, bark Trinidad, Card, for Paramaribo; sch Arinur M Gibson, Stewart, for Savannah; 13th, schs Fraulein, Spragg, for St John; Demozelle, Tower, for Filizabethport.

At Rio Janeiro, April 17, bark Argantine. Cleared. Filzabothport.
At Rio Jaheiro, April 17, bark Argentina,
M. Quartie, for Barbados.
At Pascagoula, May 12, sch Nokomis,
Sawyer, for Boston. Sailed.

From Havana, May 4, sch John S Parker, Gesner. for Pascagoula,
From Baltimore, May 10, ss H M Pollock, Newman, for Newport News.
From Rio Janeiro, April 16, bark Emma, Bassick, for Barbados.
From Iloilo, March 28, ship Gloscap.
Spicer, for Delaware Breakwater.
From Matanzas, May 7, sch Lewanaika, Williams, for Pascagoula.
From Mew London, May 10, bark Golden Rod, McBride, for Rosario.
From New London, May 10, sch Three Sisters, from Port Liberty, for Salem.
From New York, May 10, str Consols, for Hamburg, etc; bark Ancenis, for Sydney, N. W.; Sch Nellie J Crocker, for Marbiehead.
From Genoa, May 6, bark Adelaide, Palazzo, for Miramioni.
From Revinswick, May 11, bark Margaret Mitchell, Dayles, for Bristol.
From New Soll, May 11, baik Margaret Mitchell, Dayles, for Bristol.
From New Soll, May 11, ship Kambira, Brewnwell, for Newport News.
From Newcastle, NSW, May 10, ship Grace Harwar, Briscoe, for Mollend; April 12th, bark Ayonia, Porter, for Manila.
From New York, May 12, schs Aydion, Wagner, for Digby, Orozimbo, Brott, for Calais. Me: Georgia, Longmire, from Port Reading for East Cambridge.
From Trapani, May 12, tark Gelden Koo, McBride, for Resario.
From Rosario, April 5, bark Sayre, Roberts, for Boston direct.
From Buenos Ayres, April 14, ship Steinvora, Fitchic, for Hambura, From Astoria, May 11, bark Howard D Troop, Corning (from Portland), for Queenstown cr Falmouth. From Havana, May 4, sch John S Parker,

MEMORANDA.

MEMORANDA.

In port at Newcastle, April 12, barks Avonia, Porter, from Cape Town, arrived March 24, for Manila (cleared); Kate Thomas, for Acapulco, Kelverdale, Brown, for Manila; Wildwood, Smith, for do. In p.rt at Montevideo, May 1, bark Hessie Markham, Stewart, for St John.

"assed Lizari May 15, ship Macedon, Pye, from Mobile for Devoapert.
Passed out at Cape Henry, May 23, str 11 M Pol'ock N. wunna, from Newport News.

In port at Burbatos, A, 111 29, brig Sunlight, Davidson, for Montreal.

Passed out "Caje Herry, May 12, str Storm King, Crosby, from Baltimore for Antwerp.

NOTICE TO MARINERS.

PORTLAND, Mc., April 29:
(Portland Head Light Station, Me.)
Notice is hereby given that on or about day 15th, 1899, the characteristic of the fog ignal (a 2nd class l'aboll trampet) at this tation on Portland Head, entrance to Portland Harbor, will be changed to sound lasts of five seconds duration, separated by lient intervals of fifteen seconds.

blasts of five seconds duration, separated by silent intervals of fifteen seconds.

(Cape Elizabeth Light Stations Me.)

Notice is hereby given that on or about May 15, 1599, the characteristic of the kog signal (a second class siren or a 12-inch stoam whistle) at this station, on the north-easterly part of Cape Elizabeth, will be changed to sound a blast of five seconds duration, separated by alternate silent intervals of twenty and thirty seconds.

BOSTON, May 11—Yesterday Relief Lightship No 55 was placed on the moorings of the Boston Lightship, \$19 miles east of Hoston Light, and the regular Boston Lightship, No 51, was towed here for overhauling and repairs. Today she was floated into fity dock. The regular lightship will be returned as soon as the work is completed.

PORTIAND, Mc, May 12—Sassanoa River, Maine—Notice is horeby given that the buoys in this river have been replaced on their stations for the season of navigation. NEW YORK, Mey 13—The Lighthouse inspector of the Third district gives notice that the old West End pler red bell buoy. Coney 'sland Channel, New York lower bay, having been damaged by collision, has been temporarily discontinued. It will be replaced on station when repairs have been made, of which due notice will be given.

BOSTON, May 12—Commander Selfridge gives notice that the Devil's Bridge buoy, reported out of position a few days ago, has been replaced on its proper moorings off Gay Head.

He also gives notice that the Cross Kip Lightship, which has been undergoing needed repairs at New Bellord, was replaced on the station Wednesday by lighthhouse tender Verbena, and relief lightship No 9, marking the spot in the absence of the regular vessel, has been withdrawn and towed to

Verbena, and relief lightship No 9, marking the spot in the absence of the regular vessel, has been withdrawn and towed to Shovelrul Lightship, the latter being taken to New Bedford for repairs.

Capt Hallett, of steamer H M Whitney, from New York, reports the bell buoy on Pollock Rip Slue dragged from its rostition and is now directly in track of vessels bound through the Slue. It is on the range S by W'gW going in and N by E'gE coming out of the Slue. Comander Selfridge was notified and will have the new buoy replaced in the morning by tender Azalea.

BIRTHS.

POTTS.—On May 19th, at North Berwick, Maine, to the wife of Harry H. Potts, a daughter.—(Evening papers please copy. CHUTE—On Campobello, May 9th, to the wife of Filmore Chute, a son.

MITCHELL—On Campobello, Thursday, May 11th, to the wife of Edgar Mitchell, a son.

MARRIAGES.

BRITTAIN-CODE.—On Wednesday, May 10, at St. John's church, South March, by Rev. W. H. Stiles, assisted by Rev. Canon Pollard, E. L. Brittain of Finance Department, Ottaws, to Louisa, youngest daughter of the late A. Code, Esq.

DEATHS.

CAMERON.—Drowned, at Upper Hampstead, Queens Co., N. B., on May 1st, Reuben G. Cameron, in the 87th year of his age.

(Eastport and Boston papers please copy.

OTTY—At Hampton on May 15th, in the sixty-fifth year of his age, William Otty, R. N.

WATSON—On May 15th, at the residence of R. N.
WATSON—On May 12th, at the residence of her daughter, Mrs. I. R. Webber, Somerville, Mass., Elsie Anne, widow of the late James Chubb Watson, formerly of Fredericton and Woodstock.

PRUF, ROBERTSON.

On the Great Possibilities of Larger Crops-New Explanations of the Two Great Principles.

An Increase of from 20 to 30 Per Cent. Obtainable in a Few Years-That Means Over 50 or 80 Millions of Dollars a

Year.

Professor Robertson, commissione of agriculture, was before the hous of commons committee on agriculture and colonization, the other day, to give an address on the fundamental principles governing the successful growing of crops in Canada.

He said: National prosperity primarily depends on the production of wealth out of the natural resources of the country. The value of the products of the fisheries last year was 23 million dollars; of the mines of Canada, 37 million dollars; of the forest, including firewood, was estimated at 80 million dollars. The value of the farm crops was estimated at netween 270 und 280 million dollars; and the value of all agricultural products, including crops, at not less than 600 million dol-

THE DIFFICULITIES OF FARMING. The difficulties of successful farming become greater every year from the partial exhaustion of the soil, from the increasing prevalence of weeds and the greater injury done by insects and fungous diseases. While the government may not have the power to remove these difficulties, it may and does assist the farmer to overcome them. As these difficulties increase, they should not be left to the weakness of even the strongest individual.

He pointed out that the obtaining of large crops of good quality is governed chiefly by the climatic conditions of the season, and by the intelligence and ability of the farmers as applied to the growing of crops. Farmers have made much more progress in understanding the principles of cattle preeding, cattle feeding, dairying and fruit growing than in those which understand the successful growing of field crops. What the farmers need is a clear understanding of principles, and not a dose of prescriptions to

guide their practice. He pointed out that cultivation was an effective means of controlling the moisture in the soil and the temperature of the soil at a depth at which ordinary farm crop seeds are planted. Examination made of eight farms in the spring, on lands sown to grains, showed that in clear weather the temperature was three degrees higher to a depth of three inches when the land was rolled than when the land was left unrolled.

TWO GREAT PRINCIPLES JX

ern the increase of plants during their growing period. The conditions which nake for the increase in the size of the roots, stems and leaves, do not make for an increase in the grains. fruits or seeds. An excess of easily available plant food promotes a great growth and enlargement of the vegetative parts of the plants, namely, the rects, stems and leaves. A bareness of available plant food, when the plant is near the ripening period, makes for an increase in the quantities of seeds. He instanced the growth of a bunch of oats on a dung hill. The roots, stems and leaves are enormously and unisually large, while the heads contain very few seeds and these of light weight. The seeds in that case constitute a very small proportion of the total weight of the plants. On the other hand, when a plant produces seeds under the most unfavorable of circumstances-for instance a grass plant by the roadside-a small, short seeds, and the seeds will constitute a very large proportion of the total varied in the right direction for proplant will carry a great number of weight of the plant.

THE ROTATION OF CROPS. applied to crops in which the roots, any field, the field of the farm or the stems and leaves are the sought for field of the nation. stems and leaves are the sought for and valuable portion, such as carrots, turnips, mangels, Indian corn fodder, hay, grasses. Manure should not be applied directly to the land for the growth of cereals. The manure should be applied to the crop which proceeds the cereal-crop. It is a good plan to apply manure as a top dressing of a hay field or pasture field. That gives its immediate benefit in a larger crop and increases the quantity of roots and increases the quantity of roots which are left to enrich the soil by

THE QUESTION OF SEEDS. He then discussed the question of and also with the quality of the grain seeds. He said: Those seeds which germinate most quickly are the best, owards variation. When they are they make an effort to adapt themselves to the new conditions. Those which succeed most fully in adapting themselves are the best for that lofled by a change of seed, by the tice, and lift them into the most method of tillage, by crossing varieties and the like.

K A D

adapting themselves to the conditions there, and selection of the seeds from these forces is practically the only means of continuing any improve ment of the productiveness of the That is actually a grading up of the seed by continued selection from year to year on the farm where it is to be grown. There are variations within all named varieties of seeds. Some of the most distinguishing characteristics of varieties are shape and size, color, habit of growth, hardiness, length of growing period and productiveness. The latter, which is the valuable quality to farmers in all good seeds, varies greatly by a change of locality or a change in the method of culture. Form and color are chief characteristics of varieties of such plants as are grown for the flower, and vary very little within the variety. The notion that the practice of crossing varieties to obtain new colors and new forms of flowers could be successfully applied to farm crops without continuous selection from year to year, has been a great hindrance to the improvement of farm

COMPARISON WITHOUT SUBSE QUENT SELECTION IS OF NO VALUE He analyzed the reports of the grow-

ng of cereals at the Dominion Ex perimental Farms for four years, and said that in his opinion the comparison of varieties without a continuous selection of the best seeds from year to year was of no service to the farmers, and was apt to mislead them into expecting service from named varie-ties as such instead of obtaining the seeds by continued selection from year to year on their own or similar farms. He instanced a case in the growing of peas, where the sowing of large peas by themselves, and the large peas out of that crop again for three years, resulted in a crop of peas in which the individual peas were twice as heavy as the peas of a crop grown from small seeds of the same variety, under the same conditions, for an equal length of time. He said that variation in the productiveness of all varieties appeared to be brought about by growing them under different conditions of soil and climate.

NO INHERENT SUPERIORITY IN THE VARIETY WITHOUT SELECTION.

Out of 47 varieties of peas compared on the five experimental farms during the season of 1898, no less than 32 of the varieties appeared on the lists of the 12 largest yielders. Out of 18 varieties of two-rowed barley compared at the five experimental farms in 1898 no less than 14 varieties appeared on the lists of six of the largest yielders at each of the five experimental farms. Out of 23 varieties of six-rowed barley compared at the five experimental farms in 1898, no less than 18 appeared on the lists of the six largest yielders at the five experimental farms. Of the 65 varieties of oats compared at the five experimental farms during 1893, no less than 41 appeared in the lists of the 12 varieties which TWO GREAT PRINCIPLES JX.

PLAINED.

After explaining the uses and functions of various 'ertilizing elements and substances, such as mitrogen, potash, phosphoric acid, syosum, lime and salt, he gave a statement of two great underlying principles which govyielded most largely at each of the wheat and peas compared at the various experimental farms in 1898, 138 appeared in the selected lists of the 12 or 6 largest yielders at the five experimental farms. The selected lists in-cluded over 70 per cent. of the total number compared. Of the 147 varieties of oats, spring wheat and peas compared at the five experimental farms for four and three years, no less than 75 varieties appeared in the selected lists, or over 51 per cent. of the total number compared.

HEREDITY AND SELECTION. Professor Robertson stated that the only valuable or useful selection of farm seeds was a selection of the seeds from the individual plants which give evidence of power, by succeeding and yielding largely under soil and climatic conditions where the crop is to be grown the following years. In every field of grain some plants are more vigorous, larger, earlier and ence in the same field is due to some form of inherited vigor. The only A knowledge by the farmers of the quality of inheritance in plants for underlying principles which govern farm crops which is worth naming is the increase in the size of these two different parts of the plant, namely power to take material from the soil the vegetative parts and the repro- and the air, and power to hold these ductive parts, would guide them into and organize them into valuable forms, a sensible and profitable rotation of That is the only quality of inheritance crops. Barnyard manure should be or neredity which is worth naming in

grain would doubtless prove better adapted to the soil and climate of his place that any outside seed he could obtain. Selection in that way from year to year would develop seeds with the greatest vigor for productiveness

and it has been proved over and over resulted in an increase of crop varyagain that heavy seeds give more ing from 20 per cent. to over 30 per vigorous and heavier crops than cent. Such an increase applied to farm smaller seeds of the same sort and crops of Canada would mear an invariety. All plants have a tendency crease in the production of wealth of from 20 to 30 per cent. on the 280 milchanged from one place to another lion dollars, the present annual value hey make an effort to adapt them of farm crops. Dissemination of a knowledge of those fundamental principles, which the farmers could easily understand and apply for themselves, The degree of successful would bring about that desirable end. adaptation is always the measure of If the farmers once got a good hold success. He said that - variation in of these principles, the principles plants was brought about and intensi- would take hold of their farm prac-

THE USEFUL QUALITIES IN

VARIETIES.

Whenever a seed is sown in a locality new to it, if it be suitable, some forms will vary in the direction of

What is

CASTORIA

Castoria is for Infants and Children. Castoria is a harmless substitute for Castor Oil, Paregoric, Drops and Soothing Syrups. It contains neither Opium, Morphine nor other Narcotic substance. It is Pleasant. Its guarantee is thirty years' use by Millions of Mothers. Castoria destroys Worms and allays Feverishness. Castoria cures Diarrheea and Wind Colic. Castoria relieves Teething Troubles, cures Constipation and Flatulency. Castoria assimilates the Food, regulates the Stomach and Bowels of Infants and Children, giving healthy and natural sleep. Castoria is the Children's Panacea-The Mother's Friend.

Castoria. "Castoria is an excellent medicine for children. Mothers have repeatedly told me of its good effect upon their children."

"Castoria is an excellent medicine for children is so well adapted to children to the interest of the commend it as superior to any prescription known to me." DR. G. C. OSGOOD, Lowell, Mass.

H. A. ARCHER, M. D. Brookiyn, N. Y

THE FAC-SIMILE SIGNATURE OF

APPEARS ON EVERY WRAPPER.

THE GENTAUR COMPANY, TT MURRAY STREET, NEW YORK CITY

TROUBLE IN CHINA.

British Force Sent to Kow Loon, Which Was Raided By Chinese Rebels.

HONG KONG, May 15. -Troops are patrolling the European quarters of Kow Loon. It is reported that Chinese chels from Tung Kung invaded Britsh territory yesterday evening, and that two armed gangs robbed the city of Kow Leen

In all, 1,350 infantry soldiers, 160 arillerymen, 50 engineers and 500 marines have zone to the Kow Loon Hinterland. The greatest secrecy is observed as to the plans of the British authorities, and nothing is definitely known regarding the actual destination of the troops, but it seems evident that two detachments of troops

MARINE MATTERS.

Bark Tereso Olivari comes here to take a cargo of lumber to Las Palmas at 60 francs. Str. Consols, 2,226 tons, has been chartered to load deals here for W. C. England, two voyages, at private terms.

Divers have completed patching the hull of schr. Sadie Willcutt at Vineyard Haven, and she will proceed to Boston in tow of tug Peter B Bradley.

Sch. Bertram N. White, which was abandoned Dec. 2, while on the voyage from isoftsonville for Philadelphia, was passed April 25, lat. 32.01, lon. 25 47. floating even with the water, a dangerous obstruction.

The steamer Frances, owned by James G. Miller of Chatham, N. B. called at Charlottown, Monday evening, for coal and supplies. The steamer has been purchased by parties in Newfoundland and is being taken to her new owners. Frank McNaught of Chatham is a passenger for a plassure trip.

The pilots are wrathful over the reduction in dues, and have resolved not to take vessels in or out for less than the old rate. A shipmaster, they say, will pay full pilotage rather than take the risk of towing in or out without a pilot.—Chatham world.

age rather than take the risk of towing in or out without a pilot.—Chatham World.
Ship Macedon will load lumber here for Buenos Ayres at \$9.75.
Bark Giulia R. comes here to load deals for Marselles at 56 francs.
Bark Vesuvio gets 60 francs on deals from this port to Marselles, Oran or Tunis.
Ship Charles S. Whitney, which has just finished discharging a cargo of Manila hemp at Boston, was placed in the dry dock on May 4 to have her metal examined and patcahed. When this work is finished she will load a cargo of lumber there for Buenos Ayres.

Topsail schooner Olinda, built by John

Ayres.

Topsail schooner Olinda, built by John Millard, Liverpool, N. S., was launched Thursday morning. She is 199 tons register and is owned by C. B. Whidden & Sons, Antigonish. She will be placed in the Pernambuco, Brazil, trade.

Str. Margarette, at New York, May 10th from London, reports: May I, lat. 48.49, lon. 21.48, passed a derelict schooner, hailing from Sackville, N. B.; lower masts standing and apparently lumber laden; name not legible.

ing and apparently lumber laden; name not legible.

A London despatch to the New York Sun says: "The new direct steamship service between Milford Haven and Canada is in bad condition. The warehouse in Milford Haven nas been full of merchandise for many weeks past, but no ships are ready to take it away. The company is threatened with trouble from would be shippers, and booked passengers have gone elsewhere. The ploreer ship Gaspesia is not expected to reach Milford Haven before the end of the month. The other two ships of the line, the Werra and Fulda, are still repairing in dry dock at Liverpool, and everything is thrown out of gear."

of gear."

Str. Lucerne, previously reported as having sailed from Cadiz for this port, goes to St. Johns, Nid.

The following charters are reported: Brigt. Berthm Gray, New York to Macelo, general, 50e.: schs Florida, do to Cayenne, general, 50e.: schs Florida, do to Demerara, general, p. t.

Sch. Olive, at Sydney, C. B., reports passed abandoned sch. Laddie, in lat. 46.43 N., lon. 52.57 W., south of Cape Pine. The derelict is a menace to navigatison, especially to vessels bound to or from Newfoundland or Cape Breton.

The cruiser Curlew, Capt. Pratt, left Halifax Saturday for Miramichi, towing the schooner Frederick Gerring, Jr., to the station where she will be used as a lightship. The Curlew's commander and crew nave been instructed to Reep a sharp lookout for suspicious strangers.

The steamers of the Black Diamond line number seventeen this season, five new ones having recently been added to the fleet. Phese latter are the steamers Brittanic, Falcon, Universe, Oscar II., and the Ceylon. All these boats are chartered by the Dominion Coal company, and are all of increased tonnage.

The American schooner Uranus sailed from New York some three months ago for Havana, and as she has not been heard frm since it is thought she has been lost with all hands. The Uranus traded to Hillsboro last summer. Gapt. Eugene Wood, well knows in St. John, was commander of the schooner. He belongs to Hillsboro and his wife and four small children reside at Surrey, Albert Co.

launched by the Palmer Shipbuilding and Iron Company at Jarrow on Wednesday for the Manchester Line, limited, will be the largest boat that has yet used the ship canal. She is 460 feet long by 52 feet beam, and 33 feet depth, being six feet longer than the Manchester City. The Manchester Port is intended for the Canadian trade. A duplicate boat, to be named the Manchester Merchant, is expected o be launched in July.

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Capt. Corning of the ship Howard D. Troop has scored on the seamen boarding house masters at Pertland, O. Despatches received by her owners here state that the case has been settled, the boarding house masters placing a crew on board the ship and paying all court and other claims. The ship proceeded to sea from Astoria, bound for Cork for orders, Friday afternoon with a cargo of 3,500 tons of grain. This settlement does not in any way prejudice the case of damages against the government of the United States.

The name of the Freeport schooner Winsons has been changed to Ina B.

Edward P. Rice's new vessel is expected to be iaunched at Weymouth on the 24th instant. She will be a full-rigged brig.

The derelict bark Siddartha (of Sackville, N. B.), was sighted again May J. iat. 50, lou, 22 away the ioretopgaliantmast, with all the yards, rigging and sails attached. Steamer Caspesia, which was in the ice of Steamer Caspesia, which was in the ice of Etang du Nord several weeks, has been dry docked at St. Johns. N. F. An examination disclosed several damaged plates on port bow. Her rudder is also bldry shattered.

The following charters are reported: Brig Edward D., Bridgewater to Madeira, lumber, p. t.; sch. Gladstone, Kings Ferry to St Vincent, lumber, \$5.65; sark Mary A. Law, Yarmoth to Buenos Ayres, lumber, \$10; bark Addle Morrell, Bridgewater to Buenos Ayres, lumber, owners' account; bark Ethel Clark, Boston to Cuba, lumber, p. t.; brig Ohio. Sam Dominge to New York, sugar, \$2.75, and post charges; brig Venturer, Azua to New York, sugar, \$3 and post chargeas; bark L. W. Nowton, St. Croix to New York, sugar, 124 cents; barak Trinidad, Trinidad to New York, asphadt, \$2.20; sch Joseph Hay, Weehawken to St. Stephen, coal, \$1. sch Marcus Edwards, Post Liberty to Dever, coal, 7° cents.

ENGLISH CHURCH CRISIS.

Something About the Debate in the

LONDON, May 11.—The debate the church discipline bill in the house of commons yesterday afternoon at-tracted a crowded ho se and filled the public galleries to such an extent that scores of clergymen who wished to hear the discussion were unable to find Charles McArthur, member for the

Exchange division of Liverpool, in moving the second reading of the bill, said that a section of the clergy of the Church of England were in open revolt, not only against the law of the church, but against the law of the land. The lawlessness, which threat-ened to rend the church asunder, was the result of a movement which was called by lifferent names, sometimes "Tractarian Ritualism," and sometimes "Sacerdotal Ritualism," which under all names was one and the same thing, its object being to undo the work of the Reformation. One of the reasons why the Protestant laity had ost onfidence in the bishops, he said, was because they had not only failed to put down ritualistic practices, but had exercised their patronage in favor of the ritualistic clergy. Instead of the hishops sitting in judgment upon these matters they nemselves should be called to account. They all knew the evils of the confessional, and the Protest-ant laity were determined that they would not have the confessional back in the church at any cost. Mr. McArthur's spee-h was received with loud cheers

Sir John Kenway, Lord Hugh Cecil, Sir William Harcourt and Arthur J. Balfour also spoke, the last named making capital out of what he terms "Harcourt's gross and extraordinary historical errors." After the second reading of the bill was defeated by a vote of 156 against 310, Sir R. E. Webster, attorney general, moved a resolution to the effect that the house, while not prepared to accept a mea sure which creates fresh offences and gnores the authority of the bi in maintaining discipline in the church, is of the opinion that if the efforts now being made by he bishops and archbishops to secure the obedience of the classes. the clergy are not speedily effectual further legislation will be required to maintain the existing laws of the chruch and the realm. The resolution was adopted without division.

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bring to the extra public ac business. session t tee has Fraser, tions in 1 Colonel 1 arms all these in up at the year. committe business none is pointing ceeded to goveram in regar secution afternoon in the ev The di Foster,

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