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## Scientifit.

THE HEAT OF THE SUN .- The earth receives from the sun each day heat enough, on an average, to raise an ocean 260yards deep over the whole earth, from the freezing to the boiling point. On or about December 30ch, it receives more than on or about June 30th, the difference being equal to the raising of such an ocean 17 yards deep to the same degree of temperature. Such a difference, it is believed, would show itself, among other things in magnetic disturbance. Hence, according to B. A. Proctor, in Popular Science Monthly for August, the increased activity of the earth's magnetism in December and January as compared with June and July.

CHLORINE .-- The solutions of salts are recommended as a substitute for water in watering the streets. They do not dry entirely, but will continue to hold enough water to keep the dust laid. They have been tried in some districts of London with satisfaction, and with great saving of labor and expense. One of them, the deliquescent chloride of aluminum, is an excellent antiseptic, is free from odor, and perfectly harmless, and if added to the salts will act effectively as a disinfectant.

A CHEAP PAINT FOR FLOORS .-If the kitchen floor needs painting a cheap paint can be made from five pounds of French ochre, and a quarter of a pound of glue dissolved in one gallon of boiling water ; dissolve the glue thoroughly, then stir the ochre, and apply to the floor while hot. When perfectly dry, put on one coat of boiled linseed oil. This paint is very cheap. Ochre will not be more than 12 cents per pound; glue, not over 25 cents, and the oil may cost from 75 to 85 cents, or perhaps it little more, per gallon. It will dry very quickly, hardening over night, but it is better to let it dry for twenty-four hours before stepping on it.

### CHRISTIAN MESSENGER. THE

# Agriculture.

PLANTS FOR THE WINDOW.

The selection of plants for winter which side is to be the point of view. | infest the house' If chiefly from the outside large leaves and large colours show best, such as bulbs, or well grown foliage plants, as begonias, &co, kept under glass shades to preserve the necessary air moi-ture, with the warmth which they require. But if the vase is seen chiefly from the inside, the case is very different. Colors will not show well against the light, but neatness of out- in hot water.) line and graceful wantonness of spray will show with great elegance, especial. ly if seen against the sky with only the curls of the Coliseum ivy (Linarie cymbalaria), or the ringlet smilax, (myrsiphyllum), or the fine tufts of Gypsophila and some Saxifrages, Sedums, Galiums, and other Alpine plants and grasses are graceful in every turn, like child, and color will not be wanting. Leaves thin enough to show their tints transparently show them against the sky to great advantage. Most of these plants endure dry air very weil .-Country Gentleman.

INFLUENCE OF FOOD ON POULTRY. -The influence of the food of pouliry upon the quality and flavor of their flesh and eggs has not been taken into consideration ; but it is now wellascertained that great care should be exercised in regard to this matter. In some instances it has been attempted to feed poultry on a large scale in France, on horse flesh, and, although they devour this substance very greedily, it has been found to give them a very unpleasant flavor. The best fattening material for chickens is said to be Indian corn-meal and milk ; and certain large poultry establishments in France use this entirely, to the advantage both of the flesh and of the eggs. SAVING FLOWER-SEEDS .- From the present time to the end of the growing season, flower-seeds should be saved as soon as they mature. Pinks, pansies, hollyhocks, foxgloves, sweetwilliams, and many other biennial and perennial flowers, will soon cast their seed. Let the capsules, pods, or panicles be collected as soon as they begin to turn brown, be spread out on a shelf in some apartment where no fire will be made, and keep the seeds in the pods until late in autumn, when those of perennial and biennial flowers should be planted. Some sorts may be planted early in the fall; and, if the ground is rich, the young plants will get such a start before winter that they will flower next season. Let only the largest and most perfect seeds be saved. The small half-matured panicles and pods should be cast away.

WOOD LICE IN , GREENHOUSES .-Please tell me through your Monthl how to rid my greenhouse of the wood lice, which trouble me very much. A the time the greenhouse was built, a old building was removed to make room window vases depends essentially upon for it. With all my efforts the bug

> They are easily caught by putting pieces of boiled potatoes in flower pot and some dry sweet hay loosely ove this. These traps, examined once day will soon clear a greenhouse of th pests.]-Gardner's Monthly.

(" This same " catch trap " will an swer for ants in the garden, and when covered with the "varmits" dip then

The Tomato Disease is worse thi year than usual. It is very similia panes of glass intervening. The pretty to, if not identical with the Potat Disease, and a moist Autumn is con sequently ruinous to tomatoes.

HOEING UP CABBAGE .- John Price in the Gardener's Magazine (English) says :-- " The grand secret of cabbage the unstudied movements of a joyous growing is to continually stir the ground but keep the earth away from the stalk."

> LYE, OIL, and sugar is the lates patented compound to prevent boiler incrustation.

A good cow eats no more than a poor one.

If you give a cow some salt to lick, it is said to make her " bear down."



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Southing gives the time of high water at No.2. Parrsboro'. Cornwallis, Horton, Hantsport, Windsor, Newport, and Truro.

High water at Pictou and Cape Tormentine, 2 hours and 11 minutes later than at Halifax. At Annapolis, St John, N. B., and Portland Maine, 3 hours and 25 minutes later, and at St. John's, Newfoundland. 20 minutes earlier, than at Halifax. At Charlottetown, 2 hours 56 minutes later. At Westport, 2 hours 54 minutes later. At Yarmouth, 2 hours 20 minutes later.

FOR THE LENGTH OF THE DAY .- Add 12 Nos. hours to the time of the sun's setting, and from

HY spend you movey in procuring V Foreign preparations when you can so easily procure better articles, of home manuficture and at less price ? Archivalo's Cough Mixture, a universal remody for Lung and Chest disease-Archibalo's To ic Bitters a capital remedy for Dyspepsia and Liver Com-plaint-Archibald's Vegetable Pain Baisam the great killer of pain

Price 25 cents per Bottle. Manufactured by M. ARCHIBALD, Truro. Sold by all respectable traders and druggists, May 7 Articles and Covenant Baptist Churches. \$2 00 per 100 copies. 50 copies sent by mail, postage paid for \$1.06. Julv 2. INTERCOLONIAL RAILWAY. 1873-Junmer Arrangements-1873 COMMENCING ON MONDAY, 26th May, 1873. NO. 1. (Through Passenger Express) will leave Halifax at 7 30 a. m., and be due in St. John at 8.30 p. m. This train will stop (between Halifax and Truro) only at Windsor Junction and Shupenacadie; and (between Painsec and St. John) only at Booking Stations, except where it may be necest sary to cross other trains or to put down passengers who may have got on board at Painsec and stations Easand South of that place. (Through Passenger Express) will leave St. John at 8 a.m., and he doe in Halifax at 8 50 p.m. This train will

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RICE TEA DISHES .- When fruit is scarce, rice can be made a very pretty addition to the tea-table. Boil in the morning, and turn into buttered teacups ; when cold, turn out the contents of the several cups on to a platter. make a little cavity in the top of each of these beautifully-shaped molds, placing a teaspoonful of some kind of jelly in the openings, and, with a pitcher of sweetened and flavored cream, you will have a fancy as well nutritious dish. If more convenient, turn into a good-sized bowl, and you will have the same results with less trouble. A beautiful dish can be arranged by putting cold rice on a plate with a layer of jelly, jam, grated apple, fresh strawberries or raspberries on the top then another layer of rice and fruit, and so on until you have the mound as high as you like, leaving the rice at top, and being careful to trim the edges neatly, to show the stripes of fruit. This it delicious, cold for tea or baked half an hour for desert with a good dressing.

APPLE MERINGUE.-Stew your fruit dation.) will leave Pictou at 1 45 p.m. Aubert Plum. Outwardly it resemsame complaint, to secure your valuable till well done and smooth, sweeten to and be due in Helifax at 7.30 pm. medicine at once, as it has been the sole bles the Golden Drop, in flavour and No 29, (Passenger Accommodation) will leave taste, and add the rind of a lemon means of curing me. I wil take pleasure in color of flesh the Greengage, but it is Hampton at 5 45 p m a.d be due in giving all the information I can to all that grated. Take the whites of five eggs stated to ripen earlier and to be more will call to see me at my house. Superior Pianos, St. John at 6 55 p. m. beat them to a stiff froth, put to them Nos. 31 and 33. (Shediac Passenger and Freight I remain yours, productive than either. A figure, ANDREW CRAWFORD. IN VARIOUS STYLES Accommodation) will leave Pt. Du. a tea-cup of powdered sugar, a little copied from the Bulletin d'Arboricul-Chene at 10.30 a. m. and be due in St. CHEZZETCOOK, March 3, 1873. UPRIGHT, OBLIQUE, SQUARE, Etc. rose water, the juice of the lamon, or John at 7 45 p m. ture is given in the London Gardener's With all the latest improvements, manu-Nos. 32, 34 and 36 (W. & A. R.) will be due any other seasoning you prefer. Put Chronicle of 6th September. MESSRS. R. C. MARGESON & Co.-Dear factured by the subscribers, and especially in Halifax at 11.00 a,m. 6.45 p. m and your fruit in, a flat dish, and with a Sirs :-- I was a great sufferer for upwards of adapted to this climate. An assortment of \$ 25 p. m. eighteen years with that most distressing spoon put the white of the egg on it, No. 35, (Passenger Accommodation) will leave complaint the Gravel. Tried many kinds of PHE . SILVER RUMBUE. We doubt whether the riches of our then set your dish in the oven and Point DuChene at 3.20 p m. and be medicine as well as different Doctors, but got. forests have as yet been fully realized. only temporary relief at short intervals. I due at Painsee at 4 p. m. A very fine toned CABINET ORGAN, brown the egg; a few minutes will do saw your medicine advertised called Calculi- by Carhart and Needham, N. Y. 37 and 39, (Truro and Monoton Freight it. A spoonful of butter stirred in the Wood Engravers are at their wits' end fuge, as well as different certificates from Passenger Accommodation), will leave The above are offered to a discriminating apples while hot is an improvement. to find material to engrave upon, and those who suffered with the same complaint, Truro at 9 30 p. m. and be due at public at moderate prices, Feiling encouraged, I resolved to try it, and Moncton at 8,10 a. m. here is an opinion expressed the other after taking three bottles, I found myself WM. FRASER & SONS, Nos. 38 and 40, (Moneton and Truro Freight day respecting our bative Amelanchier, APPLE SOUFFLE .- Pare, core, and nearly cu ed, and am of the opinion that the 70 & 72 Barrington St. and Passenger Accommodation), will June 1. which grow is almost every wood in fourth bottle will make a final cure. stew until tender, six large tart apples leave Moneton at 6.45 p. m. and be Wishing you every success, Nova Scotia, and has, not hitherto, so due at Truro at 5 30 s.m. press through a sieve, flavor and sweet-H. G. LAURILLIARD, I remain vours, LEWIS CARVELL, far as we know, been used even for JOHN DUNBRACK, SENE. en to the taste then add while hot, the General Superintendent. HALIFAX, July 18, 1873. FAILOR, tirewood :-- " Upon examining with a yolks of six eggs; beat up the white RAILWAY OFFICE, Aug. 6. 3ms. Moneton, 19th May, 18735 May 21. sharp instrument the species of various with a cup of white sugar, and spread GENTLEMEN'S DRESS MATERIALS, BRITISH AMERICAN southern woods, deposited in the it over the apples. Eat cold with THE CHRISTIAN MESSENGER AND Museum of the Elliot Society, I was Book and Tract Depository. Furnishing Goods constantly on hand Is published every WEDNESDAY. Termsstruck with the singular weight, density 90 GRANVILLE STREET Two DOLLARS & year, when paid in acand fingness of Amelanchier Canadien-Agent for the \* TO COOK OAT MEAL - Oat Meal vance; if payment is delayed over three Opposite the Province Buildieg. Pudding is made just as hasty Indian sis. I think I can confidently recom-NEW YORK FASHION PLATES. months \$2.25 when over six months \$2.50. mend it as one of the best to be experpudding is made. NOW OPENING : 331 HOLLIN STREET. Subscribers beyond the Dominion of imented on by the wood engraver."-Oat Meal Cakes .- Mix meal with Canada, must send in addition to the above, Ten Cases S. S. Books, HALIFAX, N. S N S. Journal of Agriculture. luke-warm water, shortening to suit. 20 cents a year for prepayment of postage. The Publications of-May 17 . lyr. · The Religous Tract Society, London. and a little salt, roll out to one fourth The Obristian Knowlege Society, London. or one half inch thick, and bake slowly To Parents and Sabbath chool ADVERTIZING at usual rates. The fifth National Cat Show was The Book Society, London. till dry and crumpy. Can add sweetheld in the Crystal Palace, London, STEPHEN SELDEN, Proprietor. Messrs. Campbell & Son, Toronto. Teachers. Nelson & Sons, Edinburgh. ening, caraway seed, etc. from 20th to 23rd September. OFFICE NO. 71 GRANVILLE STREET. Johnson & Hunter, JUST PUBLISHED. A & 10 Oat Meal Brose .- For one person. HALIFAX, N.S. Gall & Inglis, SECOND EDITION-REVISED. three tablespoonfuls of meal, salt to A GOOD POLICEMAN .- A farmer in Oliphant & Son, PRINTING of Books, Pamph-Alto Constantly on hand, taste, a piece of butter the size of a Washington county, Ky., has found a Illustrated S. S. Papers. A SCRIPTURE CATECHISM, lets, Cards, Handbills, Blank walnut, and stir while adding threepractical use for a snake. For two Papers and Books for S. S. Teachers, for the Family, the Bible Class, and the Sabbath School, forms, &c., &c., on reasonfourths pint of boiling water, then let years he has had one shut up in his S. S. Cards, illustrated. it set three minutes covered. Eat with, Send for Catalogue. able terms. corn-crib, and during all that time not BY S. SELDEN. A. MOBEAN, Socretary. milk. Magistrates Blanks always on hand. a single mouse has been seen there. April 2. Price 8 cents or \$6.00 per 100.

A NEW PLUM .- The Belgian hortiuot yet known iu England, which we advise our Nova Scotia fruit growers to look after. It is called the St.

THE reputation which MARGESON'S CALCULIFUCE has steadily erjoyed, and its increasing demand have firmly establi-hed its excellence in the e-timation of the public, as a

#### Sure and Safe Cure for Gravel, Stone in the Bladder, and all Diseases of the Kidneys.

The numerous testimonials received testify ing to its efficacy, have again induced the proprietors to bring it to public notice, and they would say to those suffering from any of the above distressing complaints, give it a trial, and save yourself years of misery, besides prolonging your lives.

PURELY VEGETABLE. SOLD BY ALL DRUGGISTS.

WHOLESALE AGENTS. AVERY, BROWN & CO., Halifax. H. L. SPENCER, 20 Nelson St., St. John, N.B. R. C. MARGESON, Proprietor, Halifax, N. S.

ST. JOHN, N. B., March 26, 1873. MESSRS; R. C. MARGESON & Co -Gentlemen :-- I have been afflicted with gravel and stone upwards of a year and a haf. Tried everything I could hear of for its relief without avail. Saw your advertisement of Cal culifuge in the Halifax papers; took three bottles according to directions, and in the short space of four weeks am entirely cured. willingly add my testimony to its value, and heartily recommend it to all afflicted as I have been.

DAVID COLLINS. (Signed, Formerly Harnessmaker, St. John, N.B.

MESSRS. R. C. MARGESON & Co.-Dear Sirs :-- Please accept this testimony from one who has been suffering for upwards of five years f.om Graval and Stone in the Bladder, and was advised by my friends to try your Calculifuge. I did so, and am happy to say culturises have obtained a new plum, last summer, it entirely cured me. I passed five stones the size of small peas, and upwards of a wine-glassful o' smallers ones and gravel, and will send them to you by the first chance. I would advise all that are suffering with the

the sum subtract the time of rising.

FOR THE LENGTH OF THE NIGHT -Sub the time of the sun's setting from 12 6. 12. a. I to the remainder add the time of hou. rising n. . orning

### NOTICE.

THE Subscriber offers for Sale his well known Farm, Situate in Wilmot, County of Annapolis, on the North back road, about one half mile east from the Wilmot No. 11 Spa Springs, and about one and a half miles from the Railroad Station. Said farm contains 125 acres of very valuable land, advant- No. 12 ageously divided into Hay, Pasture, and Woodland. The hay and tillage land are under a superior state of cultivation, the No. 1 pasture is of an excellent quality, and wood lot sufficient to supply a family for generations to come. On the Farm is a comfortable No. 1 House of Size and accomodations to suit a large family. Also 2 good Barns, with other converient out buildings all in good state of No. 15 repair. An abundant supply of water is carried into the House by pipes from a never failing Spring, and also taken for the use of No. 1 the barn.

There are about 100 grafted apply trees producing from 60 to 200 barrels annually. This property is so well known that further particulars are unnecessary.

The terms of payment will be made easy, No. 2 only a small proportion will be required down, with good and approved security for the remainder.

- The stock and farming utensils can be had by a purchaser of the farm if required. For further particulars apply to the owner
- on the pr. mi ga, GEORGE BALLENTINE.

Wilmot, County of Annapolis, January 22nd, 1873. Jan. 29



D	toplar ween or. John and Famsec)	
0	my av Aampton, Su sex Petiteodiac	
	nd Moncton; and (between Truro	
8	nd Halitax) at Shubbenacadie and	E and
v	Vindsor Jaacton, except where it	
n	may be necessary to cross trains or	
	day to becestary to cross trains of	
	o put down passengers who may	
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a	nd West of Truro.	1100
3 ar	nd 5. (Pict a Passenger Accommo-	
d	ation) will leave Halifax at 6.15 a.	
n	n., and be due at Pictou at 12 15 p.m.	
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10	eave Painsec at 4.20 p. m., and be	
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16	eave Halifax at 5.15 p. m., and be due	
. 1	ruro at 8.15 p. m.	1
4, ()	Passenger Accommodation) will	· .
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5, 1	7 and 19. (W. & A. R.) will leave	
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8	nd 8.45 a. m., and 3.00 p. m.	
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2 11	Sussex Passsenger Accommodation)	
J. (.	sill leave St. Labo at 440	
	vill leave St. John at -4.40 p. m., and	
	e due at Sussex at 6 40 p. m.	
0. (	Truro Passenger Accommission) will	
11	eave Truro at 6.00 a. m., and be due	
11	n Hulifax at 9 15 a. m.	
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W	vill leave Sussex at 7 a. m., and be	
d	ue in St. John at 9.00 a m.	
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i	145 a. m. and be due in Halifax at	
	20 p. m.	
	nd 25. (Shedino Parsenger Accommo-	
10 10	in and ( )nound rankenger Accommo-	

Nos. dation) will leave Point Duchene at 650 a.m., and be due in st John at 12 noon.

No. 1

No. 2

No. 2

- No. 24 and 26. (Freight and Passenger accommodution) will leave Pictou at 6 00 a. m, and be due in Halifax at 2.35
- Nos. 27, (Petiteodiac Freight) will leave Petiteodiac 7 00 a. m. and be du. in St. John at 1 30 p.m.
- Nos. 28 and 30. (Pictou Pas enger Accommo-