Agriculture.

224

DUCKS WITHOUT WATER.

A correspondent of the Country Gentleman says : The question is often asked, can ducks be reared with profit. without the accommodation of a pond ? I answer, they can. I have raised the Rouens two years without any water, except what was given them. When young I used a common pie tin, and as they grew, a milk pan was placed in its stead, thus saving any from being drowned. I have had good success, seldom losing one. Rouens, under ordinary circumstances, will be found as profitable as any variety, for the following reasons : First, the rapidity with which the young ducks grow. I is not uncommon to see them in full feather, and weighing four pounds when eight or ten weeks old, yielding very fine flesh for the table, which makes them valuable for early market. Second, when full grown they often weigh 9 to 10 lbs each. Third, as egg producers they rank the best, laying in the fall a good number of eggs. Then with a little cessation in mid-winter, they recommence in spring when other varieties have only just began. They make a nest and are zealons of keeping it, avoiding the trouble of shutting them up at night. Fourth, the eggs are large and rich, making them valuable for culinary purposes. Fifth, they are the most determined stay-at home birds imaginable, seldom if ever rambling beyond sight of home, never troubling the nei bbours' crops or give you travelling nights to bring them home. This breed is highly esteemed by breeders for their size and deliciousness of flesh. It may be imagined from their large size, that they must consume more food than our smaller varieties. On the contrary, they are remarkable easy keepers, and require less food than the common duck. HORSE RADISH .- James Barnes, in the London Garden, gives the following account of a horse-radish bed : "What brought horse-radish into greatest notoriety was, however, the following circumstance. Between fifty and sixty years ago, in Gray's Inn Lane, was a vast mountain of years and years accumulated London cinderdust, filth and garbage ; yes, a real mountain of it; and amongst its vast and varied accumulations were immense plants of horse-radish, growing right up through the whole, the produce probably of crowns cast from sculleries to the dust-bin. Here it found a favorable site; and as the mountain increased in size and height, so did the horse-radish, with its great strength and spear-headed crown, continue to thrust itself through it. Enough at least did so to create astonishment in those days, and to bring the horseradish into prominent notice ; for when this mountain of refuse was removed, the immense length and size of the horse-radish roots were discovered. We had no horticultural journals in those days; but the Times and the few papers we had, prominently adverted to this wonderful horse-radish, and related how and where it grew. It was, indeed, a real phenomenon, the leaves being as large and thick as those of a banana, while its roots were as large and long as scaffold poles. How many hundred weight a root of it weighed, it would be difficult to guess, yet one root, as large as a farm yard gate post, was dug out and exhibited. The publicity thus given to the matter and the extraordinary perfection the roots attained in so rich a pasture, proved how simply horse-radish can be grown, and induced everybody to cultivate it in earnest." GETTING PLENTY OF FRESH EGGS. -Thirty years ago I was troubled just as my neighbor now is; I fed my hens plenty of corn and got but few eggs. I reasoned upon the matter, and happened to think that the constituent parts of milk and the white of eggs were much alike. Now it has long been known to milkmen that wheat middlings and bran are about the best of any food to make a cow give milk ; why not, then the best to make hens lay eggs ? I tried it, and since then have had no trouble. My mode of preparing the feed is to mix about five parts of bran with one of middlings. In the morning I wet up with water about four quarts of the mixture in a large tin pan, taking pains to have it dry, though all damp. This I set in a warm sunny spot, south of their shed, and they walk up, take a few dips, don't seem to fancy it like corn, and start off on a short hunt for something

short time for a few more dips from of water in Mars would promote a fi the dish of bran. There is little time circulation by evaporation and dow during the whole day but what one or fall, while oceans would become sta more are standing by the pan and help- nant under such conditions of existen ing themselves. I am careful to -College Courant. mix for them just as much as they will consume during the day. At night, just before they repair to roost, writing to the British Medical Journ I usually throw them about a pint of says that artificial fibrin is an admiral shelled corn, well scattered, so that dietetic substance, being unparallel

THE

sorry.

has been seen, recently, by the editor undergo a chemico-molecular change of the Pacific Rural Press, at Davis- becoming solid and insoluble; a chan ville, Yolo County, Cal. The beets indicated by the opaque and snow were in rows, about fifteen to eighteen | whiteness of the white. The actiinches apart, and were up four or five of heat to the boiling point is no inches. Twenty-five Chinamen, with brought into the process, and the fibr hoes, were "sweeping in broad platoon is then ready for use. In cases to and fro across the field, extirpating deficient nutrition and rejection the few small weeds that had made food, Dr. Goodman says this artific their appearance since planting." fibrin is of the greatest service, as t These beets belong to the Sacramento | weakest stomach is able to retain Valley Beet Sugar Company, which and its use appears to promote t has 1,600 acres of them under culti- appetite for food. vation.

time he has been completely successannoying disease.

better, but always coming around in a fifty million miles. This arrangeme

CHRISTIAN

A NEW DIETETIC .- Dr. Goodmi each one can get but a few kernels. for lightness and digestibility, and If your hens don't incline to eat this great delicacy besides. It is obtain feed at first, sprinkle a little Indian by exposing albuminous material meal on it. I would like all who com- the action of cold water for a time, t plain of not getting eggs to try my hen's egg, from its great abundant plan, and I think they will never be being the most suitable source of t albumen. When the contents of egg are immersed in cold water A four-hundred acre sugar-beet field twelve hours or thereabouts, th

SPICED APPLE TARTS .- Rub stewed The Journal of Horticulture says or baked apples through a sieve, sweetthat a French farmer has discovered en them, and add powdered mace and 2 hours and 11 minutes later than at Halifax. that the use of tan is an efficient pre- cinnamon sufficient to flavor them. If ventive against the potato disease. the apples are not very tart, squeeze For three years he has introduced a in the juice of a lemon. Some per- than at Halifax. At Charlottetown, 2 hours No. 12. (small quantity of the residue of the sons like the peel of the lemon grated 56 minutes later. At Westport, 2 hours 54 bark used in tanning into each hole into it. Line-soup dishes with a light on planting his potato crop, and each crust, double on the rim, and fill them and bake them until the crust is done. ful in preserving his fields from the Little bars of crust, a quarter of an inch in width, crossed on the top of the tart before it is baked, are ornamental.

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MESSENGER.

Southing gives the time of high water at Parrsboro', Cornwallis, Horton, Hantsport, Windsor, Newport, and Truro.

At Annapolis, St. John, N. B., and Portland Maine, 3 hours and 25 minutes later, and at St. John's, Newfoundland 20 minutes earlier,

the second secon
IN) ERCOLONIAL RAILWAY,
1873-Summer Arrangements-1873
COMMENCING ON
MONDAY, 261h May, 1873.
N ^{O.⁵} . (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 Shubenacadie; and (between Painsee and St. John) only at Booking Sta- tions, except where it may be neces- sary to cross other trains or to put down passengers who may have got on board at Painsec and stations East and South of that place.
Ne.2. (Through Passenger Express) will leave St. John at 8 a.m., and be due in Halifax at 8.50 p.m. This train will stop(between St. John and Painsec) only at Hampton, Sussex, Petitcodiac and Moncton: and (between Truro and Halifax) at Shubbenacadie and Windsor Juncton, except where it may be necessary to cross trains or to put down passengers who may have got on board at stations North
and West of Truro.
Nos. 3 and 5 (Pictou Passenger Accommo- dation) will leave Habfax at 6.15 a.
 m., and be due at Pictou at 12.15 p.m. Nos. 4 and 6, (Shediac Passenger Accommodation) will leave St. John at 7 a. m., and be due at point DuChene at 12.15 p.m.
Nos. 7 and 9. (Freight and Passenger Ac- commodation) will leave Halifax at 11.30 a. m., and be due at Pictou at 8.15 p. m.
Nos. 8 and 10 (Freight and Passenger Ac- commodation) will leave St. John at 10.50 a. m., and be due at Point Du- Chene at 7.25 p. m.

Chene at 7.25 p. m. No. 11. (Truro Freight) will leave Halifax at 330 p. m., and be due at Truro at 910 p. m.

No. 13

No. 16.

No. 18.

No. 20.

No. 21. (

Nos. 23 a

No. 24 at

Nos.27,

No. 29,

RAILWAY OFFICE,

at 1 30 p m.

Nos. 28 and 30. (Pictou Pas enger Accommo-

Nos. 31 and 33. (Shed ac Passenger and Freight

St. John at 6.55 p. m.

John at 7 45 p m.

dation) will leave Picton at 1 45 p.m.

(Passenger Accommodation) will leave

Hampton at 5.45 p m and be due in

Accommodation) will leave Pt. Du-

Chene at 10.30 a. m. and be due in St.

and be due in Halifax at 7 30 pm.

The ordinary mode of churning butter in Chili is to put the milk in a skin -usually a dog's skin, tie it on a donkey, mount on him a boy with rowels to his spurs about the length of the mile heats.



MARS.

A brief sketch of the topography of Mars cannot be uninteresting. An icy cap surrounds each pole, varying in extent according to the progress of the season; and around each of these polar caps extends a polar sea. Four great continents occupy the equatorial regions; between two of them flows the celebrated Hour-Glass Sea : while oceans, straits, and inlets separate the continents and enclose the island, much as on the surface of our planet. Bnt if the correspondence is marked between the two planets, the divergence is no less so. A noticeable feature in Mars is the prevalence of winding inlets and bottle-necked seas. One of these, called Huggin's Inlet, is a long, forked stream, too wide to be compared for three thousand miles from its twoforked commencement to the point where it flows into the sea. There are two seas so closely resembling each other that, if it were not for their enormous dimensions, we might fancy the evidence of artificial construction. There are also two flask shaped seas, which have the same marked similarity.

On the carth the oceans are three times as extensive as the continents. On Mars the proportion of land and water is about equal, and so strangely found untailing relief in the use of the above mingled that a traveller could visit every medicines part of the planet without leaving the element on which he commenced his journey ; or by coasting along oceans, circumnavigating islands, passing through open and bottle-necked seas, and sailing through straits, he could traverse a coast line of thirty thousand miles, always in sight of land, and generally with a view of land on both sides. We can easily see a reason for this labyrinthian arrangement and its adaptation to the necessities of the planet. The most careful examinations have failed to detect a satellite ; therefore, tides must be comparatively unknown, for the effect of the sun in producing July 2. them would be almost unappreciable. Since the solar tide depends on the relations which the planet's diameter bears to its distance from the sun, and our solar tides are very small, with a diameter of eight thousands miles and a distance from the sun of ninety one million five hund ed thouand miles, it county will be sold. may readily be seen how little influence Address, the sun can exert on the Martial waters when the diameter of the planet is less than five thousand miles and its distance from the sun one hundred and May 21.

CORN STARCH CAKE -One cup of pulverized sugar, half cup of butter, and stir until it looks like thick cream; animal's ears, and then run him four one teaspoon soda dissolved in half a teacup of sweet milk ; beat the whites with a teacup of flour; stir and add half a teacup of corn starch ; season and bake in a moderately quick oven frost or not, just as you please.

> Resolve to edge in a little reading every day, if it is but a single sentence. If you gain fifteen minutes a day, it will make itself felt at the end of the the barn. year.



in the Province of Nova Scotia, maketh oath and saith that a year ago last September her husband purchased a bottle of Dr. Caleb Gates' eye relief for the purpose of applying it for the sure of sore eyes, and seeing on the label of the bottle that it was recommended for the Piles also with which she had for a long time been most painfully afflicted, and had applied to a terrestrial river, which extends to different doctors in her own neighborhood and had tried various remedies and found no permanent relief, tried it for the piles also and in a very short time was perfectly cured of both complaints by the use of only one small battle. She had also been subject to very frequent turns of fainting, semetimes as often as three times a day, and having by this time moved into the more immediate neighborhood of Dr. Gates, she commenced taking his Life of Man Bitters and Syrup about the first of May last, and is most happy to say that through the kind Providence and the skill of Dr. Gates she has not had one of her former fainting turns since the month of June las: past, and she has frequently taken the Bitters

minutes later. At Yarmouth, 2 hours 20 minutes later.

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

No. 14. FOR THE LENGTH OF THE NIGHT -Sub-1. 400 the time of the sun's setting from 12 hou. and to the remainder add the time of No. 15. rising n. v . 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 of three eggs and put them in with from the Railroad Station. Said farm contwo teaspoonfuls of cream tartar mixed tains 125 acres of very valuable land, advantageously divided into Hay, Pasture, and Woodland. The bay and tillage land are No. 22. under a superior state of cultivation, the pasture is of an excellent quality, and wood lot sufficient to supply a family for generations to come. On the Farm is a comfortable House of Size and accomodations to suit a large family. Also 2 good Barns, with other convenient out buildings all in good state of 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 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,

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 premies,

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



(Passenger Accommodation) will leave Painsec at 4.20 p. m., and be due at Point DuChene at 5.00 p. m. (Truro Passenger Accomodation) will leave Halifax at 5.15 p. m., and be due
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leave Halifax at 5.15 p. m., and be due
Truro at 8.15 p. m.
(Passenger Accommodation) will
leave St. John at 2.00 p. m., and be
due at Hampton at 3.10 p.m.
17 and 19. (W. & A. R.) will leave
Hallfax for Windsor Junction at 803
and 8.45 a. m., and 3.00 p. m.
(Peticodiac Freight) will leave St.
John at 2.45 p. m, and be due at
Petitcodiac at 8 p. m.
(Sussex Passsenger Accommodation)
will leave St. John at 4.40 p. m., and
be due at Sussex at 6 40 p. m.
(Truro Passenger Accomodation) will
leave Truro at 6.00 a. m., and be due
in Halifax at 9.15 a.m.
(Sussex Passenger Accommodation)
will leave Sussex at 7 a. m., and be
due in St. John at 9.00 a. m.
(Truro Freight) will leave Truro at
645 a. m. and berdue in Halifax at
1.20 p. m.
and 25. (Shediao Passenger Accomme-
dation) will leave Point DuChene at
6 50 a.m., and be due in St. John at
12 noon.
and 26. (Freight and Passenger accom-
modation) will leave Pictou at 6 00
a. m., and be due in Halifax at 2.35
p. m.
(Petiteodiao Freight) will leave Petiteo-
diao 7.00 a. m. and be due in St. John

Nos. 32, 34 and 36. (W. & A. R) will be due in Halifax at 11 00 a,m. 6 45 p. m and \$ 25 p. m. No. 35, (Passenger Accommodation) will leave Point DuChene at 3.20 p. m. and be due at Painsee at 4 p. m. Nos. 37 and 39, (Truro and Moneton Freight Passenger Accommodation), will leave Truro at 9 30 p. m. and be due at Moncton at 8,10 a. m. Nes. 38 and 40, (Moncton and Truro Freight and Passenger Accommodation), will leave Monoton at 6.45 p. m. and be due at Truro at 5.30 a.m. LEWIS CARVELL, General Superintendent. Monoton, 19th May, 1873. 5 May 21. FANCY SALE AT ANTIGONISH

THE Ladies of the Antigonish Baptist Sewing-Circle intend holding a Sale of Fancy Articles early the ensning Summer for the purpose of aiding in the erection of

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The

Sworn to at Middleton, this 3rd day of February; 1872, before me, JAMES WHEELOCK, J. P. PRICE.

Bitters \$1 per bottle : Syrap 50 cents per bottle ; Liniment 25 cents per bottle and the ointment 25 cents per box. Address CALEB GATES & CO.,

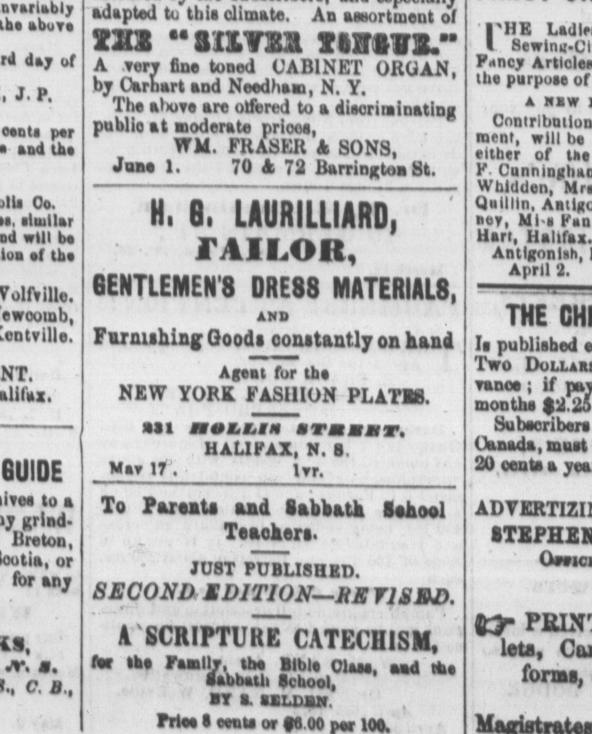
Farmington. Wilmot, Annapolis Co. A large number of certificates, similar to the above, have been received and will be published at times for the information of the afflicted and the people generally.

AGENTS .- George V. Rand, Wolfville. John Webb, Windsor. J. E. Newcomb, Hantsport. J. L. Cogswell, Kentville. Sheffield & Wickwire, Canning. GENERAL AGENT, JOHN K. BENT.

126 Granville Street, Halifax.

WHITES' PATENT CUTTING BAR GRINDING GUIDE For grinding Mowing Machine Knives to a true bevel. Can be attached to any grindstone. Agents wanted in Cape Breton, Prince Edward Island and Nova Scotia, or the right to sell and manufacture for any

CROSSBY & HICKS, Bridgetown, N. S. Sole owners of the Patent in N. S., C. B., ad P. E. Island. 4ins.



A NEW BAPTIST MEETING HOUSE Contributions to the Fancy or Cash department, will be most thankfully received by either of the fellowing Committee. Mrs. F. Cunningham, Mrs. T. M. King, Mrs. C. B. Whidden, Mrs. I. F. Robb, Mrs. J. B. Mc-Quillin, Antigonish. Miss Maggie Hill, Sydney, Mi-s Fannie King, Truro, Mrs. Reuben Hart, Halifax. Antigonish, March 22nd, 1873.

THE CHRISTIAN MESSENGER Is published every WEDNESDAY. Terms-Two Dollars a year, when paid in acvance; if payment is delayed over three months \$2.25 when over six months \$2.50. Subscribers beyond the Dominion of Canada, must send in addition to the above, 20 cents a year for prepayment of postage. ADVERTIZING at usual rates. STEPHEN SELDEN, Proprietor. OFFICE No. 71 GRANVILLE STREET,

PRINTING of Books, Pamphlets, Cards, Handbills, Blank forms, &c., &c., on reasonable terms. Magistrates Blanks always on hand.

HALIFAX, N.S.

At t new Pa a bunc and bu while i ing, the it says f gloria. things a It u horse, 1 casions, mounte three si were pr rup and him. The above s was a f some gr nobility ent in a ward, an placed head of After politics, bade ma whoever dled in court in a terror.