SALMON BREEDING .- The Ottawa Citizen states that Mr. Whitener, who has just returned from a visit to the Government fish breeding establishment at Wilmot Creek, Ontario, gives very gratifying accounts of its success. He states that salman that were marked on their fins when let loose from the breeding ponds have returned this, tho third season, to deposit their eggs in the spawning beds. On account of the extreme lowness of the water, this season, the salman cannot very well pass up the regular hatching houses, and have deposited their eggs along the creek. Mr. Wilmot has obtained and laid down over 300,000 eggs already, and expects to have half a million before the close of the season. The salmon can be seen in thousands at the spawning beds, and are so tame that Mr. Wilmot can go into the water and pick out any particular fish from amongst them.

A PERPETUAL CANDLE. - The perpetual candle is the name of a useful contrivance, which has lately been introduced into this country from Russia, It consists of a small tube, within which is placed a close fitting wick, soaked with kerosene. This tube is screwed into a candlestick, and first inside another tube made of white china, and resembling closely a candle in external appearance, the whole having the look of an ordinary caudle and candlestick. By heating the top of the brass tube, the kerosene soaked wick generates a gas, and gives a fine blaze through a number of small apertures in the end of the tube. By this simple and ingenious arrangement, it is said, a good light is furnished at a cost of one cent for five hours. Besides the point of economy, it is thought that the use of kerosene in this manner will be entirely free from danger of explosion .- American paper.

AN AUSTRALIAN contemporary draws a picture of a New Zealander, 2,000 years hence, coming to Victoria and extracting gold from the tailing of the deserted gold fields. And yet this is no caricature or exaggeration, for a similar thing is now taking place in Greece. The silver mines of Laurium were abandoned as exhausted 300 years, B. C.; but a company is now working the scoria, rejected as worthless twenty-one centuries ago, and has created a community of 4,000 persons whose livelihood is drawn from this occupation.

VEGETABLE Sour .- Take a joint of beef, mutton,, or veal; place in a boiler, cover the joint with cold water (about four quarts;) add pepper and salt, and some cabbage, and one or more turnips cut in slices; one carrot also if you have it. Let this boil for two hours or more; and, one hour before dinner, add two or three pods of okra; a ripe tomato or two, cut in slices, and a spoonful of rice if you like it. Let it cook an hour longer when at dinner time, remove the meat and bones; break an egg into a bowl, add a little lump of butter, and two spoonfuls of flour; beat well together, and drop it lightly into the soup; do not stir it; see that it is seasoned well and serve hot, adding a little thyme if you like it. In winter a few beans are good in soup, also one or more potatoes. Soup should always be made by the meat or bones being first put in cold water and boiled slowly, as in this way the strength is better extracted.

NEW KIND OF PAPER.-A new kind of paper, specially adapted for various kinds of clothing, has been invented in England. Both animal and vegetable material are employed in its production, the latter being New Zealand flax, jute, hemp and cotton, and the former, wool, silk, skins, etc. These materials are reduced to a pulp and bleached, and then felted in appropriate machinery. The mixture of these materials gives a paper of extraordinary pliancy, flexibility and strength, which may be sewn together as easily as woven tabrics, and makes as strong a seam. Among the articles made of the paper are quilts and table-cloths, stamped with great beauty curtains, shirts, and various other articles of dress; a very good imitation of leather is made of it, of which furniture coverings and even shoes may be made. The last may be rendered water-proof by the introduction of oils and India rubber.

Agriculture.

RAISING DUCKS.

No variety or class of domestic fowle stand higher than the ducks; they require so little room by comparison, they are easily kept and free from tendency to disease, are very desirable points to be obtained by the amateur breeder. A good stream of water or a pond may be considered by many indispensible to the successful raising of these fowls, but although with proper care either is of advantage, still, with the inexperienced, such a supply of water has many times caused the loss of all the ducklings, whose hatching was awaited with eager anticipation.

In breeding ducks, it is a frequent practice with myself to send eggs to be hatched under hens at distant farmyards, and in nearly every case the result has been more satisfactory, even when no water was within reach of the ducklings beyond that contained in a common pan. Many premium birds have been reared in this way. I can say with confidence, therefore, that my own experience demonstrates the fact that they can be raised successfully in a farm yard with simply water enough for them to drink. Still, for the thorough gratification of their natural instinct, an abundant supply of water, a stream or pond is needful and beneficial.

mirers of these fowls is to allow young utes later. ducks too free access to such supplies of water as afford gratification of their older ones. This should never be suffered to go near a pond or creek, nor in wet grass, until from ten to fourteen days old. Previous to that age they should be kept in a warm, dry place, and be allowed no more water than might be sufficient for them to dip their bills in. At the age of a fortnight let them have access to the larger supply, and their frolics will not only prove very amusing to the observer, but harmless to them-

The character of the food furnished to the young has an important bearing upon the success of duck rearing. Soft food is so necessary to success therein as to be deemed indispensable. For the first few days after hatching, hard boiled eggs and cooked meat chopped fine should be given occasionally, but the chief supply used in my own yard is Indian meal and "ships" in equal quantities by measure, well mixed and thoroughly scalded. Use this until the ducklings are two-thirds grown; for the main article of food afterwards alternate occasionally with grain. The same is also good for old ducks.

In moist seasons they will ordinarily find worms for themselves, but when none can be found, their place should be supplied with fresh meat.

The diseases of ducks, are mainly occasioned by improper food. Hard food (as uncooked grain) given to young ducks, will occasion sore eyes soon follows .- Canada Farmer.

PRUNING. - According to the theory of vegetable physiology, verified by pratice, a tree is most checked in growth when the leaf bearing branches are lopped while in a ost rapid state of growth; and the growth of sprouts favored when the tree or its branches are cut while it is in a dormant condition, and especially towards spring.

ROTATION OF CROPS .- The "Five year Rotation," adopted in England for light loamy lands is; first year, roots; second, barley; third and fourth, clover; fifth wheat. The advantages of this system are that the land gets a thorough cleaning, and a mellow seed-bed is prepared for the barley; and a young sod is held to be, when broken up by a single ploughing, a good preparation for a sound seed bed for the ensuing wheat crop.

cropped, improve the soil, inasmuch as they not only prevent evaporation and add vegetable matter to the under soil by the decay of their under leaves, but they also leave many tons of vegetable matter to the under-soil by their close net-work of fine fibrous roots when the land is again brought under the plough.

"STEAM," said a popular lecturer, "is the great annihilator; it annihilates time and space." Said another: " And multitudes of passengers, too."

MESSENGER ALMANACK.

DECEMBER, 1871.

Last Quarter, Dec. 5th, 2h. 31m. morning. New Moon. "11th, 11h. 47m. afternoon. First Quarter, "18 h, 4h. 27m. afternoon. Full Mcon. "26th, 5h. 20m. afternoon.												
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-	THE TIDES.—The column of the Moon's											

THE TIDES.—The column of the Moon's Southing gives the time of high water at 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 One mistake made by some ad- 56 minutes later. At Westport, 2 hours 54 minutes later. At Yarmouth, 2 hours 20 min-

> 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.

FOR THE LENGTH OF THE NIGHT -Subtract the time of the sun's setting from 12 hours, and to the remainder add the time of rising next morning.

A. V. P. B.

A RCHIBALDS VEGETABLE PAIN A BALSAM is an article worthy of patronage and should be found in every house. It is equal if not superior to any other Pain Killer now in use. Also, Archibald's Cough Mixture for Coughs, Colds, and all Lung

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Sold by all the principal Dealers and Druggists in the Provinces. Oct. 21.

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Fall---1871.

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ANDERSON, BILLING & CO. Sept. 27.

American Organs.

and sore beaks, and if continued death A New and Popular Series of Instruments.

The Manufacturers, desirous of meeting the general desire for organs with all substantial excellences and at a moderate price, have designed and made a series of styles that are

in all respects superior to any instruments for similat prices; namely from \$1.0 to \$200. Not only are the cases of new and tasteful

designs, but every part of the mechanism has been subjected to the most careful scrutiny in order to combine all the elements that can be looked for. Numbers One, Two and Three are designed

for private use. Number Three has a new and exquisite Solo stop, named

THE KALOPHON.

The tone possesses a most fascinating quality, closely resembling the real VOX HUMANA. being delicate and sympathetic, and free from the disagreeable tremor that haunts most of the mis-called VOX HUMANA stops.

Numbers Four and Five will tound especially effective in churches of moderate size. Number Four has an Octave of Sub-bass, and Number Five both Sub-bass and an Octave Coupler, giving a great increase of power, but with no sacrifice of sweetness.

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Cures LIVER COMPLAINT, DYSPEPSIA, ACIDITY of the STOMACH, DEBILITY and PAIN in the BACK, RESTORES the VITAL ENERGIES, when exhausted, braces up both the Nervous and Muscular System, PURIFIES the BLOOD, and Restores the Appetite. Particular attention is called to the fact

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Although these BITTFRS contain no Alcohol, they will most efectually wean the taste from Stimulants and enable the system to dispense

with them at once. The proprietor, although averse to the practice of puffing any medicine, feels it his duty to give publicity to the following certificates. -Hundreds could be added, but such names as Dr. How, Professor of Chemistry at King's College; Capt. Hardy, R. A; Mr. Solomon, Lunenburg; and Dudley de Chair, Esq, Hali-

CERTIFICATES:

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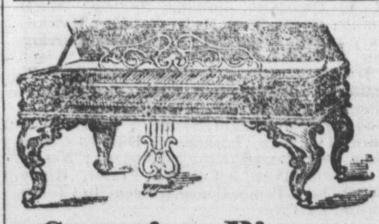
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