

Miscellaneous.

Voice in Fish.

On this curious subject the Academy of Sciences has received a paper from M. Armand Moreau, in which he shows that certain fish emit sounds by an action of the nerves, just as voice is produced in the larynx of the higher orders of animals. The fish of the genus *Trigla* emit particular sounds, owing to which they are called grondins by the French fishermen, and gurnards by the English. Aristotle mentions certain fish called lyra among the Greeks, and to this day the Italians use the word organo to denote a kind of fish which makes a noise like an organ. In the genus *Trigla*, the air bladder is provided with strong and thick muscles, which, seen through the microscope, appear striped, and receive two voluminous nerves proceeding from the spine below the pneumogastric nerves, and close to the first dorsal pair. The mucous membrane of the air bladder forms a fold or diaphragm, which subdivides the cavity into two secondary ones, communicating with each other by means of a circular opening not unlike the pupil of the eye. Examined through the microscope, this diaphragm displays numerous circular and concentric fibres around the opening, constituting a sphincter, which absorbs a number of muscular fibres directed perpendicularly to the tangents of the circle. Such diaphragms exist more or less completely in various other kinds of fish, and are instruments of sound. M. Moreau proves this by an experiment in which, having killed a gurnard, he applied a weak electric current to the nerves connected with the air bladder, upon which the sounds so characteristic of the genus during life were instantly produced. The same result is obtained by exciting the muscles, but with a stronger current.—*Galvani*.

SOLVENT FOR OLD PUTTY OR PAINT.—Soft soap mixed with a solution of potash or caustic soda, or pearlash and slaked lime, mixed with sufficient water to form a paste, is an excellent solvent for old putty and paint. Either of these laid on with an old brush or rag, and left for some hours, will render the putty or paint easily removable.—*Scientific American*.

AUTOGRAPHIC PHOTOGRAPHS.—An English photographer has lately introduced a novelty in the mode of taking *carte-de-visite* photographs with the signatures of the sitters appended. This gives but little extra trouble. The sitter simply signs his name on a slip of paper, and finds its *fac simile*, diminished in size, transferred to the portraits when they come home.

CALM-A-ANGING ON THE SHANNON.—Mr. Murphy, of Shannon-bridge, caught on Monday, Sept. 19, the largest fish that has been taken for a number of years—it weighed 42 lb. 2 oz. Mr. Murphy was alone in the boat, but at the fortunate moment John Spelman, the ever-watchful water bailiff, showed himself on the bank, and Mr. Murphy immediately got him into the boat, and through their united exertions succeeded, after four and a half hours' conflict, in gaffing him. The fish was hooked on that part of the Shannon known as Loughan's Ford.—*Western Star*.

MONUMENT TO A PIG.—"Up to the present time," say the *Europe* of Frankfurt "no monument that we are aware of had ever been erected to the memory of a pig. The town of Luneburg, in Hanover, has wished to fill up that blank, and at the Hotel de Ville in that town there is to be seen a kind of mausoleum to the memory of a member of the swinish race. In the interior of that commemorative structure is to be seen a glass case, enclosing a ham still in good preservation. A slab of black marble attracts the eye of visitors, who find thereon the following inscription in Latin, engraved in letters of gold:—"Passer-by, contemplate here the mortal remains of the pig which acquired for itself imperishable glory by the discovery of the salt springs of Luneburg."

A PRODUCTIVE FARM.—A. C. Fulton, residing near Davenport, Iowa, writes to the *Prairie Farmer* that his gross receipts from sixty-two acres of land last year amounted to \$10,111. The net profit was \$7,905 after deducting \$3 per acre for interest or rent of land, beside cost of seed, labour, and all other expenses. This gives the extraordinary sum of a little over \$127 per acre. The farm is on first quality of rolling prairie land, broken up in July, 1862, at a cost of \$2 50 per acre. A large portion of it was reploughed before seeding. Twenty acres were planted in wheat and corn, the balance in onions, potatoes and sorghum. The larger portion was taken for onions, the seed being put in with a hand-drill. It is hardly necessary to add that the land was thoroughly worked. There were also excellent facilities for marketing. Portions of the crop were sold at Davenport, and the balance sent by rail to Chicago.

Poetry.

Our Native Land.

BY HELEN M. JOHNSON.

What land more beautiful than ours?
What other land more blest?
The South with all its wealth of flowers?
The prairies of the West?

O no! there's not a fairer land
Beneath heaven's azure dome—
Where Peace holds Plenty by the hand,
And Freedom finds a home.

The slave who lures her name hath heard,
Repeats it day and night!—
And envies every little bird
That takes its northward flight.

As to the Polar star they turn
Who brave a pathless sea,—
So the oppressed in secret yearn,
Dear native land, for thee!

How many loving memories throng
Round Britain's stormy coast!
Renowned in story and in song,
Her glory is our boast!

With loyal hearts we still abide
Beneath her sheltering wing,—
While with true patriot love and pride
To Canada we cling!

We wear no haughty tyrant's chain,—
We bend no servile knee,
When to the mistress of the main
We pledge our fealty!

She binds us with the coils of love,—
All others we disown,
The rights we owe to God above,
We yield to Him alone.

May His our future course direct
By His unerring hand,
Our laws and liberties protect,
And bless our native land!

—Selections from Canadian Poets.

Sunset Scene.

BY FAMELIA S. VINING.

The glorious sun behind the western hills
Slowly in gorgeous majesty retires,
Flooding the fountains and forests, fields and rills,
With the reflection of his golden fires.
How beautiful all, how calm, how still—
You star that trembles on the hill,
You crescent moon that raises high
Her beaming horns upon the sky,
Seem bending down a loving glance
From the unclouded skies,
On the green earth that far away
In solemn beauty lies;
And, like sweet Friendship in affliction's hour,
Grow brighter still the more the shadows tower.
—7b.

Markets.

Toronto Markets.

"CANADA FARMER" Office, Nov. 15, 1864.

Flour—Little offering; superfine is held at \$3 80 to \$4 per bbl for No. 1, extra, \$4 15 to \$4 25, superior extra, \$4 50 to \$4 62 1/2, fancy, none offering.
Fall Wheat more plentiful, with a good demand, selling at 82c to 93c per bushel.
Spring Wheat better, and more offering, sold at 78c to 84c per bushel.
Barley lower, being sold to-day at 55c to 66c per bushel.
Oats at 39c per bushel.
Rye 60c per bushel.
Hay in better demand at 62c to 63c per bushel.
Hay—Market well supplied at \$13 to \$15 per ton.
Straw \$9 to \$13 per ton.
Provisions—Butter—Fresh, wholesale, per lb. 15c to 22c; retail, per lb. 17c to 25c; in tubs, wholesale, per lb. 14c to 17c.
Eggs—Wholesale, per dozen, 11c to 12c; retail, per dozen, 12 1/2c to 17c.
Hams—Wholesale, per lb. 9c to 10 1/2c; retail, per lb. 12 1/2c.
French Bacon—Wholesale, per lb. 8 1/2c; retail, per lb. 11c.
Cheese—Wholesale, per lb. 10 1/2c to 11c; retail, per lb. 12 1/2c to 14c.
Lard—Wholesale, 10c to 11c per lb.; retail, 13c to 15c.
Beef well supplied; supply in excess of demand; inferior—large amount offering at \$2 to \$2 25 per 100 lbs., which is principally bought for peddling in the market, or by the farmers; second quality plenty, at \$3 50 to \$4; 6c to 8c per lb. retail; first class in demand for home consumption and export, at \$4 50 to \$5 per cwt., wholesale; 8c to 10c per lb. retail.

Cakes \$3 50 to \$4. 60 each.
Sheep, by the car load, \$3 to \$3 50.
Lambs, by the car load, \$2 25, very good bring \$2 25.
Pork \$5 to \$6, for feeding, per 100 lbs.
Venison, good buck, \$5 to \$7.
Hides (green) per 100 lbs., \$4; dry hides, 8c to 10c per lb.
Tallow 6c per lb.
Wool active at 35c to 39c.
Calveskins 10c to 12c per lb.
Sheepskins 80c to 90c each.
Lambskins 80c to 90c each.
Coat \$7 to \$8 per ton.
Wood \$4 50 to \$5 50 per cord.
Salt \$1 50 to \$2 per bbl.
Water Lime \$1 to \$1 50 per bbl.

Hamilton Markets, Nov. 12.—**Flour**—Superfine No. 2, \$3 20 to \$3 30; superfine No. 1, \$4 to \$4 20; fancy, \$4 13 to \$4 30; extra superfine, \$4 20 to \$4 40; superior extra, wholesale, \$4 60 to \$4 75; do retail, per 100 lbs, \$2 25 to \$2 62 1/2. **Wheat**, fall, per bush, 75c to 87 1/2c, spring, 70c to 78c. **Barley**, per bushel, 61c to 66c. **Oats** 55c to 60c. **Apples** 40c to 50c. **Beef**, per 100 lbs, \$2 25 to \$3 50. **Turkeys** 50c to 70c. **Geese** 25c to 40c. **Butter**, per lb, 18c to 22c, do. in tubs, 15c to 17 1/2c. **Pork** \$4 75 to \$5 50. **Oat meal**, per bbl, \$4 75 to \$5 25. **Rye** 55c. **Indian Corn**, per bush, 60c to 65c. **Onions** \$1. **Beets** 50c. **Carrots** 50c. **Eggs**, per doz, 10c to 12 1/2c. **Hay**, per ton, \$12 to \$14. **Straw**, per load, \$3. **Cheese**, per lb, 9c to 10 1/2c. **Firewood**, per cord, No. 1, \$5, 2nd and 3rd, \$2 to \$3 50. **Tallow**, per lb, 5 1/2c to 7 1/2c. **Spectator**.

London Markets, Nov. 14.—**GRAIN**—Fall **Wheat**, 82c to 85c; **Spring Wheat**, 78c to 81c. **Barley** quiet at 60c to 70c. **Peas** 58c to 61c. **Oats** wanted, at 34c to 35c.—*Free Press*.

Chicago Markets, Nov. 14.—**Flour** dull and declined 2c. **Wheat** dull at an advance of 1c, sales at \$1 85 to \$1 88 for No. 1, and \$1 50 to \$1 51 1/2 for No. 2. **Corn** firm; sales at \$1 33 for No. 2. **Oats** firm and advanced 1/2c; sales at 63 1/2c to 64 1/2c. **Hogs** quiet and a shade easier. **Beef** active and firm. **Provisions** firm. **Receipts**—2,600 bush flour; 31,000 bushels wheat; 9,000 bushels corn, 49,000 bushels oats. **Shipments**—5,000 barrels flour, 35,000 bushels wheat; 17,000 bushels corn; 82,000 bushels oats.

Chicago Lumber Market, Nov. 11.—**Lumber**—First clear boards, \$1 M, \$50 to \$55; second clear boards, \$1 M, \$47 to \$51; third clear boards, \$1 M, \$44 to \$48. First clear plank, \$1 M, \$55 to \$60; second clear plank, \$1 M, \$50 to \$55; third clear plank, \$1 M, \$45 to \$50. **Stock boards** \$25 to \$37; box or select boards, \$37 to \$40; common boards, \$22 to \$24; **Fencing**, \$23 to \$25, cull boards, \$14 to \$15, first clear flooring, rough, \$30, second clear flooring, rough, \$40 to \$45, common flooring, rough, \$35 to \$38; siding, clear dressed, \$25 to \$30; second clear, \$23 to \$25. **Long joists**, \$3 to \$7, short joists, \$2 to \$3. **Shaved shingles**, A, \$1 M, \$5 25 to \$5 50; shaved shingles, No. 1, \$4 75 to \$5; shaved shingles, star, \$5 50 to \$5 75; cedar shingles, \$3 25 to \$3 50; sawed shingles, A, \$5 25 to \$5 50, sawed shingles, No. 1, \$4 50 to \$4 75. **Lath**, \$1 000 per, \$4 25 to \$4 50; posts, \$1 000, \$4 to \$18; pickets, \$16 to \$20.

Chicago Cattle Market, Nov. 11.—**Beef Cattle** at \$3 to \$6 12 1/2, chiefly at \$3 75 to \$4 50 per 100 lbs. **Hogs**, \$1 75 to \$1 11, principally at \$10 10 to \$10 50 per 100 lbs. **Sheep**, \$6 70 per 100 lbs.

Detroit Wool Market, Nov. 11.—The wool market is much firmer, and the indications all favour a early and decided advance. We do not, however, advance our quotations over 8c., as no dealers are now willing to pay more than that for even the best quality. Holders may value their stock at higher rates, but those desiring to sell now would find it difficult to realize above that figure. Of course, in this state of the market there is but little doing, and transactions are few and light. The *Boston Commercial Bulletin* predicts a rapid and large rise. We shall be rather surprised, however, if the high rates of last autumn are reached again. A brisk demand is indeed inevitable, and there will be a consequent increase in price, but nothing less than an extravagant rise in the gold market will carry it as high as many holders expect.—*Detroit Commercial Advertiser*.

Detroit Cattle Markets, Nov. 11.—**Beef**, first quality, \$6 to \$6 60 per cwt.; ordinary, \$5 25 to \$5 75 per cwt.; common, \$4 50 to \$5 per cwt., inferior, \$2 25 to \$2 75 per cwt.—*Tribune*.

Buffalo Markets, Nov. 12.—**Flour**—XX Canada \$10 75 to \$11 25. **Wheat**—Amber Michigan, \$2 25, No. 1 Milwaukee Club, \$2 15. **Corn**—White Ohio, \$1 65. **Oats**—Western, 85c. **Rye** \$1 45. **Barley** \$1 50. **Peas** \$1 45.

Caswego Markets, Nov. 12.—**Flour** steady at \$10 60 to \$10 75 for No. 1 spring; \$11 for Red Winter; \$11 50 to \$12 for white; and \$12 25 to \$12 75 for double extra. **Wheat** market quiet; white Canada at \$2 60. **Corn** dull, No. 2 Illinois at \$1 60. **Barley**—Canada at \$1 50. **Rye** dull.

Boston Markets, Nov. 12.—**Flour**—The market is firm, with a fair demand; Western superfine at \$9 50 to \$10; common extra, \$10 50 to \$11, medium do \$11 to \$11 75, good and choice do, \$12 to \$14 25 per bbl. **GRAIN**—**Corn** is in moderate demand; Western mixed at \$1 80 per bushel. **Oats** are in steady demand, Northern and Canada at 92c to 95c per bushel. **Rye** is scarce at \$1 75 to \$1 80c per bushel. **Provisions**—**Pork** is steady, with a fair demand; sales of prime at \$40; mess \$43 to \$43 50; clear \$48 to \$47 per bbl, cash. **Beef** is firm, but the demand is limited; sales of new Western mess and extra mess at \$21 to \$25; new Eastern is selling at \$21 to \$24 per bbl, cash. **Lard** is steady, sales in bbls at 32c to 33 1/2c; kegs, 25c per lb, cash. **Hams** are selling at 19c to 20c per lb, cash.

New York Markets, Nov. 15.—**Flour** low lower, receipts 14,155 bushels. **Wheat** 2c to 3c lower, receipts 23,344 bushels. **Corn** dull and drooping—receipts 10,350 bushels. **Rye** quiet. **Pork** dull and drooping. **Lard** quiet. **Alfalfa** steady; **Pots** \$12 to \$12 25, **Pearls** \$1 50. **Oats** quiet, at 93c to \$1 for western. **Barley** quiet. **Peas** nominal. **Freights** quiet.

Advertisements.

GRAPE VINES!

CHOICE VARIETIES, by Mail, at 25 cents each. Hartford Prolific and Concord are first-class Grapes, and ripen with us in open air, in August and early in September, and sell readily at 20 to 25 cents per lb., wholesale. They are very luscious vines, and require no shelter, and with good care will bear 20 lbs. the second year after planting. Persons enclosing \$1 in registered letter to my address, before the Vines are all ordered, will receive by mail, post paid, in the Spring of 1865, two vines of each variety, and larger quantities, if required. Write plain your name and Post Office. Direct

W. W. KITCHEN,
Grape Grower and Wine Maker, Grimsby, C. W.
Grape Vine (5 Gallons and over), at \$2 per Gallon. 221f