

Rural Economy.

REASONABLE SUGGESTIONS.

The Country Gentleman advises its readers to follow:—
Surface water often injures wheat, especially when rains fall after the soil has become impervious by freezing. It is well, therefore, to see that suitable surface drains are provided for all low places.

MILCH COWS—STABLING.

Much is said and written, and properly so, about protecting dairy stock from the vicissitudes of winter. This is true in theory and excellent in practice, if the fostering system is not carried to such an extreme as debilitate rather than improve this important portion of the farm stock.

CRANBERRY CULTURE IN NEW JERSEY.

Wm. Parry, in a paper read before the Pennsylvania Horticultural Society, September, 1866, representing New Jersey, thus speaks of cranberry culture in that State:—
The cultivation of cranberries is now attracting much attention, and to one not acquainted with the magnitude of operations in this branch, it must appear perfectly marvellous to witness the stupendous efforts in this branch of agriculture.

and since have been offered \$600 per acre. Last year twenty-eight acres of it produced 1800 bushels of fruit worth \$4 per bushel, amounting to \$7200.
"Jos. C. Hinchman, of Medford, has 50 acres nicely graded, trenched and banked for flooding the plants, most set with cranberries; those in bearing last year produced about 1500 bushels; they appear to increase in productiveness for seven or eight years before attaining their greatest yield, as the first lot of ten acres, planted seven years since, produced last year 800 bushels, and from present appearance will yield 1000 bushels this year.

THE MAMMOTH CHEESE.

Canada West can undoubtedly lay claim to the honor of having manufactured the largest cheese ever seen. One weighing a little more than 4000 pounds was exhibited at different fairs last year, and attracted much attention; but this has been far surpassed by the great cheese manufactured by Mr. J. Harris, of the Ingersoll Cheese Factory, under the direction of "Father Ranney," who began cheese making a quarter of a century since.

Scientific.

THE MADOC GOLD REGIONS IN CANADA.

From the door of the "Anglo-Saxon" the now famous Richardson mine can be seen. As that is the great point of interest, we walked over to it through the fields before examining any other locality. John Richardson, a plain, unlettered old farmer, who struggled alone as a backwoods pioneer, and has lived upon the proceeds of his farm for the last twenty years, is the owner of lot 18 in the 5th concession of Madoc.

GEOLOGICAL REMAINS.

It was recently announced that Dr. Hayden had arrived at the Western frontier with a large amount of fossils of extinct animals, collected during an expedition to the Bad Lands of Dakota Territory, for the Smithsonian Institution and Philadelphia Academy of Natural Sciences. It is but common justice to state that this expedition was fitted out and paid for altogether by three private gentlemen, members of the Philadelphia Academy, and that the Smithsonian Institution in no wise participated in the responsibility of the enterprise.

States by Mr. Carr, for the purpose, he said, of showing it to capitalists there, in order that he may induce them to invest their funds in a company he intends forming. Before leaving the mines he had a small house built over it, the entrance to which is fastened by two padlocks, one put on by him, and the other by Richardson. No one can enter the mine now until Carr returns. If he does not pay the \$20,000 to Richardson by the time settled, he loses his claim, and Richardson will then work the mine himself, or sell out to some one else. He will have no difficulty in finding a purchaser. In addition to that taken from the earth, a large quantity of gold was found in the quartz. Some fine specimens have been procured by prospectors from the quartz thrown out of the hole, by simply breaking it with a hammer.

GREAT PUBLIC WORKS.

Three great undertakings in widely separated regions have lately been completed, that seem to be characteristic of our age and country. These are the tunnel under the city of Chicago, two miles out under the bed of Lake Michigan, to furnish a supply of pure water to that town; the remarkable suspension bridge at Cincinnati, over the Ohio river, and the railroad bridge over the Susquehanna river, at Havre de Grace. Each of these cost an immense sum of money, and was really a bold and enterprising adventure.

The Cincinnati bridge differs from this, although, like it, a railway bridge, in being built from shore to shore in a single span; in other words, being suspended over the stream without intermediate supports. Of course, since the Niagara suspension bridge was built, people think less of these things than they used to; but nevertheless, the passage of the Ohio river by such a structure is really an achievement, and the reader may measure its consequence by the cost, two millions of dollars. It puts Cincinnati in direct communication with the whole railway system of the south, and enables that enterprising city to undertake a more vigorous competition for Southern trade than ever before.

The present ambition of the Cincinnati seems to be to establish direct railway connection with Charleston, Savannah, Mobile, New Orleans, and, in fact, all the chief cities of the South, so as to make Cincinnati the western focus of the Southern trade. The Chicago lake tunnel has seemed a more hazardous enterprise than either of these, but in reality it was not so. The boring was at a sufficient depth to avoid all risk, and modern science has enabled engineers to conduct such undertakings without any of the perils once thought to be inseparable from them. Still it is not to be denied that the idea was a very bold one, and that the city has carried it out with a promptitude, skill and success deserving of all credit. It is in such works as these, rather than in the fancy work of ornamental architecture, that the present age of Americans must establish its renown, for while European critics may depreciate our art efforts, they are totally unable to do so in the matter of such structures as these. Hence the Pacific Railroad, once finished, will be regarded with a thousand-fold more wonder and interest by foreign travellers than if we could show them art efforts rivaling those of Italy. Engineering is pre-eminently the national pride, and we must seek to shine by its feats.—U. S. Gazette.

The rocks in which these remains are found must evidently have once been the muddy shores of some immense fresh water lake, the extent or boundaries of which cannot now be defined; and as these animals perished, their bones lay undisturbed in the mud until petrification prevented their final destruction. In one piece of rock can we plainly see the trail left by some marine animal in the original mud. In another specimen we have the skull, with the jaw wide open, as it evidently lay loose in decay, when the waves washed up the mud in the jaw and prevented its closing. There are also fresh water turtles of all sizes up to a very large one. These indications leave no reason to doubt that where these fossils are found, must have been the lines of the great lake.

Next we have specimens of the fossil remains of an extinct species of camel, showing that, after the upheaval of the earth had destroyed the lake, the bottom of the latter was converted into one vast arid plain, upon which only such animals could exist as are found in the desert regions of the old world. The next specimens are of extinct species of ruminating animals, from which it appears that the once arid plains had become covered with luxuriant grass. From the number of these latter specimens, it is apparent that these ruminating animals must have multiplied into herds rivaling those of the buffaloes now seen. Perhaps the most curious of these are the remains of several species of the horse, the smallest being about the size of an ordinary setter dog, and the largest about three times that size.

It is next observable that among the specimens are several species of carnivorous animals now extinct, evidently created by nature to prey upon these immense herds of ruminants and prevent their increase. Among these we find varieties of the tiger and the rhinoceros. As both the tiger and the camel are animals peculiar to tropical regions, some of our readers will think it strange that they should be found in these high latitudes. But we have also among the specimens fossil remains of a species of elephant as well as of the tapir, and the fossil plants are all tropical. Palm trees once grew on the shores of that great lake, and several varieties of the ammonite sailed their barques upon its waters. Yet in all this immense wilderness no trace of man is found, and there nature must have rioted in luxuriance without the foothold or the voice of any being created with intelligence above the brutes.—U. S. Gazette.

Schools and Academies.

BRYANT, STRATTON & KIMBERLY'S COMMERCIAL COLLEGE AND THE GEOGRAPHIC INSTITUTE ASSEMBLY BUILDING, S. W. COR. TENTH AND CHESTNUT STREETS.

The Philadelphia College, an Important Link in the Great International Chain of Colleges Located in Fifty Principal Cities in the United States and Canada.

The Collegiate Course embraces BOOK-KEEPING, as applied to all departments of Business; Jobbing, Importing, Retailing, Commission, Banking, Manufacturing, Railroads, Shipping, &c. PENMANSHIP, both Plain and Ornamental. COMMERCIAL LAW, Treatment of Property, Partnership, Contracts, Corporations, Insurance, Negotiable Paper, General Average, &c. COMMERCIAL CALCULATIONS—Treating of Commission and Brokerage, Insurance, Taxes, Duties, Bankruptcy, General Average, Interest, Discount, Annuities, Exchange, Averaging Accounts, Equations of Payments, Partnership Settlements, &c. BUSINESS PAPER—Notes, Checks, Drafts, Bills of Exchange, Invoices, Order, Certified Checks, Car-Minutes of Stocks, Transfer of Stocks, Account of Sales, Freight, Receipts, Shipping Receipts, &c. TELEGRAPHING, by Sound and Paper, taught by an able and experienced Operator. A Department opened for the exclusive use of Ladies. PHONOGRAPHY, Taught by a practical Reporter. Diplomas awarded on a Satisfactory Examination Students received at any time. 1866-ly

CLASSICAL SCHOOL, S. E. CORNER OF THIRTIETH AND LOCUST STREETS, PHILADELPHIA.

B. KENDALL, A.M., Principal. ENGLISH AND CLASSICAL SCHOOL, FOR BOARDING AND DAY SCHOLARS, FORTIETH STREET AND BALTIMORE AVENUE, WEST PHILADELPHIA.

REV. S. H. McMULLIN, PRINCIPAL. Pupils Received at any time and Fitted for Business Life or for College.

WYERS' BOARDING SCHOOL FOR YOUNG MEN AND BOYS, Formerly A. Bolmar's, AT WEST CHESTER, PA.

A Classical, English, Mathematical and Commercial School, designed to fit its pupils thoroughly for College or Business. The Corps of Instructors is large, able and experienced. Instruction systematic, thorough and extensive. Modern Languages—German, French and Spanish, taught by native resident teachers. Instrumental and Vocal Music, Drawing and Painting, taught by the best artists. The scholastic year of ten months begins on Wednesday, the 5th of September next. Circulars may be obtained at the office of this paper, or by application to WILLIAM F. WYERS, A.M., Principal and Proprietor.

PHILADELPHIA COLLEGIATE INSTITUTE FOR YOUNG LADIES, NORTHWEST CORNER OF CHESTNUT AND EIGHTIETH STREETS. REV. CHARLES A. SMITH, D.D., PRINCIPAL. Circulars may be obtained of E. F. Moore & Co., 1824 Chestnut Street, at the Presbyterian Book Store 1384 Chestnut Street.

Insurance Companies.

INDEMNITY FOR LOSS OF LIFE OR INJURY FROM ACCIDENTS OF EVERY DESCRIPTION.

THE TRAVELERS' INSURANCE COMPANY HARTFORD, CONNECTICUT. Cash Capital and Assets, Dec. 1, 1865 \$596,335 12.

PHILADELPHIA BRANCH OFFICE. 409 WALNUT STREET, THE PIONEER ACCIDENT INSURANCE COMPANY IN AMERICA.

Where policies are issued covering all and every description of accidents happening under any circumstances. An institution whose benefits can be enjoyed by the poor man as well as the rich. No medical examination required.

Policies issued for amounts from \$500 to \$10,000 in cases of death, and from \$5 to \$50 weekly compensation in case of disabling injury, at rates ranging from \$3.50 to \$60 per annum, the cheapest and most practicable mode of Insurance known.

Policies written for five years, at twenty per cent. discount on amount of yearly premiums. Hazardous risks at hazardous rates.

Accident Insurance to persons disabled by accident is like the Sanitary Commission to wounded soldiers in the field, providing the means for comfort and healing and supplying their wants while prevented from pursuing their usual employment.

The rate of premium are less than in any other class of insurance, in proportion to the risk. No better or more satisfactory investment can be made of so small a sum. Therefore—insure in the Travelers.

OLDEST ACCIDENT INSURANCE COMPANY IN AMERICA. J. G. BATTERSON, President. RODNEY DENNIS, Secretary. HENRY A. DYER, General Agent.

WM. W. ALLEN & CO., General Agents for Pennsylvania, 409 WALNUT STREET, PHILADELPHIA.

GIRARD FIRE AND MARINE INSURANCE COMPANY. OFFICE: WALNUT STREET, PHILADELPHIA. CAPITAL PAID IN IN CASH, \$300,000.

This company continues to write on Fire Risks only. Its capital, with a good surplus, is safely invested.

Losses by fire having been promptly paid, and more than \$500,000 disbursed on this account within the past few years. For the present, the office of this company will remain at 415 WALNUT STREET.

Be it with a few months will remove to its Old Building N. E. CORNER SEVENTH AND CHESTNUT STS. Then, as now, we shall be happy to insure our patrons at such rates as are consistent with safety.

THOMAS CRAVEN, ALFRED S. GILLET, EDWARD SHEPARD, S. LAWRENCE, THOS. MACKELLAR, CHARLES I. DUPONT, JOHN SUPPLE, HENRY R. KENNEY, JOHN W. CLAGHORN, JOSEPH KLAPP, M.D., ALFRED S. GILLET, THOMAS CRAVEN, President. JAMES B. ALVORD, Secretary. 109-ly

INSURE YOUR LIFE IN YOUR OWN HOME COMPANY, THE AMERICAN OF PHILADELPHIA, S. E. cor. Fourth and Walnut Streets.

Insurers in this Company have the additional guarantee of the CAPITAL STOCK all paid up IN CASH, which, together with CASH ASSETS, now on hand amounts to \$1,143,874 15.

Invested as follows:— \$100,000 U. S. 5-20 bonds, 100,000 City of Philadelphia Loan 6's, 70,000 U. S. Treasury Notes, 7-30, 25,000 Allegheny County bonds, 100,000 U. S. Loan of 1862, 10,000 Wyoming Valley Canal bonds, 12,700 Compound Interest Treasury Notes, 10,000 Philadelphia and Erie Railroad bonds, 10,000 Pittsburg, Fort Wayne & Chicago bonds, 6,500 City of Pittsburg and other bonds, 1,000 Shares Pennsylvania Railroad 40 Shares Corn Exchange National Bank, 107 Shares Farmers' National Bank of Reading, 22 Shares Consolidation National Bank, 142 Shares Williamsport Water Company.

Mortgages, Ground Rents, and Real Estate, Loans on collateral security, Premium notes secured by Policies, Cash in hands of agents secured by bonds, Cash on deposit with U. S. Treasurer, Cash on hand and in banks, Accrued interest and rents due, Jan. 1, 1866.

LOSSES PAID PROMPTLY. DIVIDENDS MADE ANNUALLY, thus aiding the insured to pay premiums. The last DIVIDEND on all Mutual Policies in force January 1, 1866, was FIFTY PER CENT. of the amount of PREMIUMS received during the year, 1865.

TRUSTEES are well known citizens in our midst, entitling it to more consideration than those whose managers reside in distant cities. WILLIAM J. HOWARD, Alexander Williston, John A. Bennett, George Nugent, Henry K. Bennett, Hon. James M. Wood, Hon. Joseph Allison, F. B. Muncie, Albert C. Roberts, Isaac Hazlehurst.

ALEX. WHILLDIN, President. GEORGE NUGENT, Vice-President. JOHN C. SIMS, Actuary. JOHN S. WILSON, Secretary and Treasurer. A. G. FOSTER, N. Assistant Secretary. A few first-rate canvassers wanted.

New Publications.

JUST PUBLISHED. BOOKS FOR THE SEASON. THE NEW AND GREAT WORK, BY THE AUTHOR OF "THE SCHONBERG-COTTA FAMILY," THE DRAYTONS AND THE DAVENANTS. A STORY OF THE ENGLISH CIVIL WARS. By the Author of "The Schonberg-Cotta Family." 1 vol., 12mo. \$1.75.

Uniform with our volumes of this series, by the same author. This work opens in New England, but is associated with a period of English history involving political and religious questions, in which Americans are deeply interested. In its admirable pictures of domestic life, its lively historical interest, and in the highly dramatic form in which the celebrated characters and events of the civil war between King Charles and the Parliament are presented, it has a greater resemblance to the Cotta Family than any other of the author's productions. It will certainly rival it if it does not surpass, that remarkable work in its wide popularity.

POEMS. By the Author of "The Schonberg-Cotta Family." 1 vol., 16mo. \$1.75. To be issued in tasteful and tinted paper, covered boards, etc.

This edition of the author's Poems includes matter furnished in manuscript expressly for it, and other poems written since the appearance of the first edition, several years since. Flowers of genuine poetry will find much in it to admire.

A New Work by the Author of "Mary Powell," THE FAIRE GOSPELIER. BEING PASSAGES IN THE LIFE OF ANNE ASKEW. 1 vol., 16mo. \$1.75. On tinted paper, etc., uniform with "Mary Powell" and "Cherry and Violet."

This new production of Miss Manning is another exhibition of the power she possesses, not only rivaling by her tact, and peculiarly ardent, and winning, and truthful presentations of her characters.

THE BROWNINGS. A TALE OF THE GREAT REBELLION. By J. G. FULLER. 1 vol., 16mo. Tinted Illustrations. Price, \$1.25. A touching story of adventure and suffering incident to a local rebellion in the Union and the old flag in a Rebel State during the late war. Miss Fuller is an authoress of deservedly high repute.

THE BREWER'S FAMILY. By Mrs. Ellis, Author of "The Women of England," etc. 1 vol., 16mo. Tinted Illustrations. Price, \$1.25. An intensely interesting and instructive Temperance Story by one of our most generally known and popular writers.

WE HAVE THE COTTA FAMILY SERIES. Embracing, with the New Book: THE SCHONBERG-COTTA FAMILY, DIARY OF RITTY TREVILLAN, THE EARLY DAWN, WINIFRED BERTRAM.

In four different editions, viz.: The Fine Edition, 12mo.; on tinted paper; the Standard Edition, 12mo.; the Cabinet Edition, 16mo.; and the Sunday-School Edition, 18mo.

Also, the same Author: MARY, THE HANDMAID OF THE LORD. 1 vol., 16mo. \$1.25. THE SONG WITHOUT WORDS. Dedicated to Children. A beautifully illustrated quarto. \$1.

MAIDEN AND MARRIED LIFE OF MARY POWELL, AFTERWARD MISTRESS MILTON. On tinted paper, antique binding, and in every way a beautiful and most fascinating book. \$1.75. A few copies on large paper tinted, covered boards, etc.

CHERRY AND VIOLET. A TALE OF THE GREAT PLAGUE. By the Author of "Mary Powell." On tinted paper, etc., \$1.75. Plain, \$1.15. Published by M. W. DODD, 1073-2 566 BROADWAY, New York.

BEAUTIFUL BOOKS FOR BOYS AND GIRLS. ILLUSTRATIONS IN OIL COLORS.

Jesus on Earth. Little Red Cloak. Miss Muff and Little Hungry. Ram Krishna-Punt; The Boy of Bengal. Hindoo Life.

Per Sale by Booksellers Generally. The Trade supplied by the Presbyterian Publication Committee, PHILADELPHIA.

NEW BOOKS.

The History of the Huguenots. By W. CARLOS MARTIN. The History of Protestantism in France. 528 pp., 12mo. \$1.50. Postage, 24 cents.

The Climbers. A Grand Story for Boys and their Sisters, 100. Five fine Engravings. 85c. Postage, 16c.

Sybil Grey. A bright and charming picture from life of a New England character; a fine model for young ladies. 85c. Postage, 16c.

Grace's Visit; OR, A YEAR IN THE CITY. A choice book for young misses; beautifully displaying the power, truthfulness and Christian love. 75c. Postage, 16c.

AMERICAN TRACT SOCIETY. 1210 Chestnut Street, Philadelphia.

DOCTOR JUNKIN'S SABBATISMOS. Fourth Edition, with Judge Strong's Decision appended. 48 pp. JAMES B. ROGERS, 54 NORTH SIXTH STREET, 1072-4.

AMERICAN ARTISTS' UNION. AGENTS WANTED.

Reliable and energetic persons, male or female, are wanted to solicit subscriptions for our Engravings, and to such we offer very liberal cash inducements; also extended premiums to subscribers. Circulars suitable to be used in canvassing together with all necessary papers will be furnished on application. Address, with reference, AMERICAN ARTISTS' UNION, 25 Pine Street, New York.

HEADSTONES, MONUMENTS, &c. LARGE COLLECTION, LOW PRICES. BEST MARBLE. Twelfth Street above Ridge Avenue. CHARLES FINNEY, 1060-3.