

AGRICULTURAL. The night. Two lovers lean Upon the gate; A hearing form is seen— It is their fate.

AGRICULTURAL.

The Air. The air, like the soil, consists of an immense amount of materials which, so far as the growth of plants is concerned, have mainly a mechanical action.

These proportions vary somewhat in different analyses, but not materially. Such of these substances as exist in the air are taken into the plant by the leaves, or, having been carried to the soil, by rains, or added to it by manure, or by the decay of vegetable matter.

The Plant and its Food.

The cultivated plant has two sets of feeding apparatus: the leaves and green stems absorb carbonic acid from the air, and the roots absorb from the soil the mineral matters, ammonia, and carbonic acid.

Therefore, it is chiefly desirable for the farmer to give his attention to the sources from which the plant may derive its three remaining ingredients—nitrogen, phosphoric acid and potash.

Other constituents of his soil are removed in the crops and in the animal products sold, but they are such as are usually contained by the soil in larger quantities, or as may be cheaply procured from other sources, and they are rarely removed to a sufficient extent to cause an impoverishment of the land.

Nitrogen.

Nitrogen is an element not only of all plants, but of every part of the plant. Root, stem, branch, and leaves, in every part of their structure, contain it in every minute part of their structure.

The experiments of Boussingault showed that 1,000 lbs. of each of the following articles contain the amount of nitrogen stated in the table.

In the crops, as grown, of course these proportions will vary according to the amount of water they contain: 1,000 lbs. of turnip roots contain about 900 lbs. of pure water, while 1,000 lbs. of ripe peas contain only about 88 lbs.

The reason why nitrogen, although forming a so much smaller part of the substance of our crops, is more necessary to be considered by the farmer than the other substances that are derived from the air, is because, while there is a certain amount furnished by natural means, enough to enable plants to make a tolerable growth—they are generally benefited by the addition of an artificial supply as manure.

either by fire or by decay, their nitrogen escapes in the form of ammonia, which gives rise to the animal manure, which is one of the principal ingredients of rain water, and which is the farmer's best assistant.

We cannot suppose that a plant could attain "maturity, even in the richest vegetable mould, without the presence of matter containing nitrogen, since we know that nitrogen exists in every part of the vegetable structure.

The slightest reason for believing that the nitrogen of the atmosphere takes part in the processes of assimilation plants and animals on the contrary, we know that many plants emit nitrogen, which is absorbed by their roots, either in a gaseous form or solution in water.

The nitrogen of putrid animals is contained in the mud which is deposited in the state of a gas which is capable of entering into combination with carbonic acid, and of forming a volatile salt.

It is worthy of observation that the ammonia contained in rain and snow-water possesses a "stenchless" smell of perspiration and purifying matter, a fact which leaves no doubt respecting its origin.

The following is the copy of a letter referred to in our telegram of yesterday:—

Sir,—The following letter not having appeared in the paper to which it was addressed, would you kindly give it insertion, and oblige.

To the Editor of the Herald:— Sir,—Will you allow me space in your paper to make the following statement:—

My Roman Catholic friends are under the impression that the Herald is a Catholic paper, and that it has my approbation.

THE PERFORMER OF FRESHLY-CULLED FLOWERS is agreeable for every one, and so it is with the delightful fragrance of MURRAY & LANMAN'S Florida Water.

PLUM PUDDING? How much the human system can accomplish by care and attention to nature's laws, may be seen in the wondrous feats done by athletes.

How little will overturn the health, prostrate the man and beat the life out of him, may be seen in the tottering gait of friends, who a short time ago were stalwart.

known picture of "Nero's torches." Kraszewski has now gone to Vienna to thank the Emperor for the decoration he has received from him, and will then pass the winter in Italy.

Hon. Mr. Flynn.

The Commissioner of Crown Lands, in the Chapeau Administration, Hon. Mr. Flynn, is one whom a large section of the Province recognize and welcome as an able, willing and fitting representative of their erstwhile ignored demands.

His present consistent and statesmanlike conduct has disabled the party from ever making more than the slightest attempt to contend against the paramount and legitimate influence which he wielded there.

It is worthy of observation that the ammonia contained in rain and snow-water possesses a "stenchless" smell of perspiration and purifying matter, a fact which leaves no doubt respecting its origin.

Warlike Councils. Rome, November 5.—General Mozzacapo, the author of the anti-Austrian pamphlet, has been appointed commander of the 7th corps.

AFGHANISTAN AND RUSSIA. Probable Complications. Berlin, November 5.—The National Gazette, of this city, says that papers have been discovered at Kabul that seriously compromise the Russian Government in connection with the late troubles.

Excitement in Turkey. London, November 5.—Considerable excitement in Stamboul on account of the expected arrival of the British squadron.

Pond's Extract acts on the cause, and by removing that destroys the disease. Try the Extract for any Pain, Ache, Soreness or Hemorrhage.

PERRY DAVIS' PAIN-KILLER.—Its effects are almost instantaneous, affording relief from the most intense pain.

BBISTOL'S SANSAPARILLA AND PILLS are the safest and best Purifiers of the blood and humors.

Manufacture of a superior quality of Bells. Special attention given to CHURCH BELLS. Illustrated Catalogue sent free.

Manufacture those celebrated Bells for CHURCHES, ACADEMIES, &c. Price List and Circulars sent free.

How much the human system can accomplish by care and attention to nature's laws, may be seen in the wondrous feats done by athletes.

EPSS'S COCOA—GRAVEFUL AND COMFORTING. By a thorough knowledge of the natural laws which govern the operations of digestion and nutrition, and by a careful application of the fine properties of our well-selected cocoa, Mr. Epss has provided our breakfast tables with a delicately flavored beverage, which may save us many heavy doctors' bills.

Legal.

CANADA, PROVINCE OF QUEBEC. District of Montreal, Superior Court, De Marcboine Melchoir, of the City and District of Montreal, wife contra et de Joseph Alphons Hudon, of the same place, trader, and duly authorized a cetera in Justice Plaintiff; and the said Joseph Alphons Hudon, of the same place, trader, Defendant.

Newspapers.

THE "TRUE WITNESS"

—IS THE— Cheapest Catholic Weekly Printed in the English Language.

Its Price is only \$1.50 Per Annum, or \$1.00 for Eight Months.

NO CATHOLIC FAMILY Should be without a Good Newspaper like the "TRUE WITNESS."

Agents Profit per Week. Will prove it or forfeit \$25.00. Address: G. RIDGOUT & CO., 218 BROADWAY, N.Y.

Agents Profit per Week. Will prove it or forfeit \$25.00. Address: G. RIDGOUT & CO., 218 BROADWAY, N.Y.

Agents Profit per Week. Will prove it or forfeit \$25.00. Address: G. RIDGOUT & CO., 218 BROADWAY, N.Y.

Agents Profit per Week. Will prove it or forfeit \$25.00. Address: G. RIDGOUT & CO., 218 BROADWAY, N.Y.

Agents Profit per Week. Will prove it or forfeit \$25.00. Address: G. RIDGOUT & CO., 218 BROADWAY, N.Y.

Agents Profit per Week. Will prove it or forfeit \$25.00. Address: G. RIDGOUT & CO., 218 BROADWAY, N.Y.

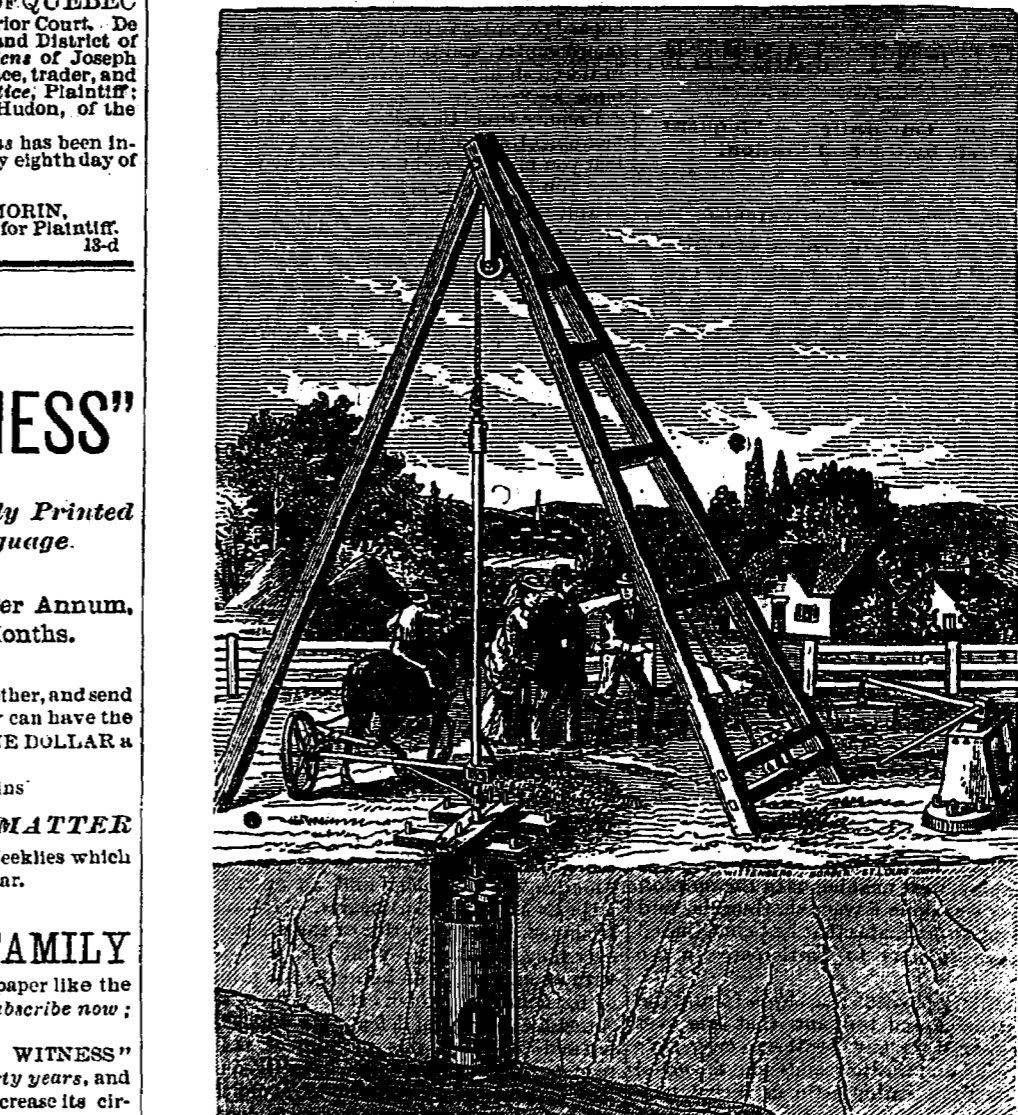
Agents Profit per Week. Will prove it or forfeit \$25.00. Address: G. RIDGOUT & CO., 218 BROADWAY, N.Y.

Agents Profit per Week. Will prove it or forfeit \$25.00. Address: G. RIDGOUT & CO., 218 BROADWAY, N.Y.

Agents Profit per Week. Will prove it or forfeit \$25.00. Address: G. RIDGOUT & CO., 218 BROADWAY, N.Y.

Agents Profit per Week. Will prove it or forfeit \$25.00. Address: G. RIDGOUT & CO., 218 BROADWAY, N.Y.

\$25 to \$50 PER DAY CAN ACTUALLY BE MADE WITH THE GREAT WESTERN WELL AUGER!



WE MEAN IT, and are prepared to demonstrate the fact. FOUR AUGERS are operated entirely by HORSE POWER, and GUARANTEED to bore at the rate of 10 to 15 FEET PER HOUR.

They Bore from 3 to 6 Feet in Diameter, and ANY DEPTH Required!

They are WARRANTED TO BORE SUCCESSFULLY IN ALL KINDS OF EARTH, SOFT SAND and LIMESTONE; BITUMINOUS STONE COAL, SLATE, and HARDPAN, and make the BEST OF WELLS in QUICKSAND, GRAVEL, and CAVY EARTHS.

They are Easily Operated, Simple in Construction, and Durable!

GOOD ACTIVE AGENTS Wanted in Every County in the United States and Canada, to whom we offer liberal inducements.

MANUFACTURED AT OUR OWN WORKS, from the Very Best of Material, by Skilled and Practical Workmen.

Address: GREAT WESTERN WELL AUGER WORKS, ST. LOUIS, MO

Musical Instruments. Educational. JOSEPH GOULD HAS REMOVED HIS PIANO WAREROOMS TO No. 1 Beaver Hall Square

NORDHEIMER'S PIANO WAREROOMS. Messrs. A. & S. NORDHEIMER respectfully inform the Public of Montreal, and vicinity, that they have opened their NEW WARE-ROOMS in Nordheimer's Hall.

BEATTY Pianos Another battle on high prices Raging War on the monopolist renewed. See Beatty's latest Newspaper full reply (sent free) before buying PIANO or ORGAN.

OWEN MCGARVEY, MANUFACTURER OF EVERY STYLE OF PLAIN AND FANCY FURNITURE.