Ha C.

III-

nLy,

**wut** 

USO

The

Ln-

ays

1.Ee

em-

81-

and

of

are

lly.

ted

self

or-

ost

our

iay iter da-

ìhe

ils:

118-

by

ıan

ao 10

eep bla

tor

lm.

ien ing

are

nd

οn

|c-|c-

to d. c-m

bo

111 p-

PEAT MADE INTO COAL BY ELEC-TRICAL PROCESS.

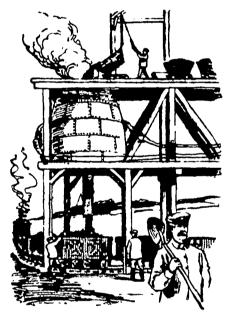
An Important Invention Perfected In Germany-The Artificial Product is Both Efficient and Cheap and Insures an Umlimited Supply of Fuel.

A process for converting peat into coal has just been perfected in Germany. To be explicit, by means of an electric current turf can be turned into coke having an efficiency equal to a white heat, and the product can be dash naturally would retard its devel.

Miss Anna Murphy, teacher of the Union school at Little Falls, is home on her vacamanufactured and sold with good profit at 10 cents the 100 pounds, or about find out if the same condition does not liters can be prepared in 15 minutes. The amount of ash in this coke is only and still develop in a normal manner 3 per cent. The calorific value is 7,000 units-that is as much as coal. It is cardly lighted and contains but very litthe sulphur. It is in fact a discovery the plants and afterward with bulbs and importance of which cannot be overestimated. Ireland, for instance, with its great wealth of peat, would be converted from a farming into a fuel producing region. So would Nantucket and many parts of the United States and Canada. In short, since peat is found all over the world, and, as the process of making peat in nature is actively going on, this discovery might seem to solve the great fuel question now being actively discussed on account of the perceptible dimination of the coal supply.

The feasibility of increasing the calcrific value of peat has appealed to many inventors, and many attempts have been made to accomplish it, but until now all have been fullures. A necessary part of such an operation has been the drying out of the substance. Peat is spongy and highly impregnated with moisture. It is, in fact, nothing more or less than partly formed coal. It is vegetable matter in a semidecomposed state, or, to be more exact, a substance intermediate between common vegetable matter and bituminous lignite. Left to itself, peat would, under certain conditions and after the lapse of sufficient time, become coal. Following out the theory of some scientists that coal is the result of partly combusted vegetable matter, it will be seen that this new electrical process is but the simple anticipation of the work of nature.

Nothing could be more simple from the producers' standpoint than the elec-



trical process. The peat is placed in large retorts, which for the most part resemble ordinary retorts except in that they are provided with a spiral wire which extends through the center of them. The wire comprises the electrical feature of the retort. An electric current of a strength sufficient to bring the and the vessel beyond the target was wire to a white heat is sent through it. The retorts otherwise are lined with sink in the water. asbestus. In the oven thus formed the drying out of the peat not only becomes inevitable, but the conversion of the vegetable matter is hastened, and it becomes, in fact, coke. As stated above. a refort having a capacity of 1,800 liters will produce that amount of coke in 15 minutes, and inasmuch as its calcuific value is 7,000 units its commercial value becomes very great. Average air dried peat has a calcrific value of from 8,000 to 8,500 units. When freed from water by a heat of 100 degrees C., and

with a minimum of 4 to 5 per cent of

ash the calorific value rises to about

5,200 units, or from one-quarter to one-

third more than that of an equal weight

of wood. The natural formation of peat is an interesting process. Two things are required-moisture and moss. The moss grows on the edges of stagnant pools. Gradually as it decays the dry matter spreads itself over the surface and, becoming in a measure interlaced, soon forms a sort of natural pontoon, on which may rest all manner of decaying and decayed vegetable matter. This, with the years, becomes thick and gradnally sinks, with the addition of other layers, to the bottom. The pool may fill up or the process may temporarily stop and a layer of sand or other matter be deposited on the decayed moss. After awhile charges of temperature and climate may bring it back to its original conditions and another layer be laid

This accounts for the fact that peat is often found in strata with other natural substances intervening. If, however, the decomposition and deposition process is continuous, the peat becomes a solid, wet, spongy mass. Physical changes may carry away the original stagnant pool, but the partly dried out peat remains. In the course of time it might entirely dry, according to its position, and under certain conditions of heat and pressure turn to coal. It is this latter process that electricity will hasten. We, or rather the human race, will not have to wait centuries for coal to form. The formation will be hastened and a wealth of available fuel manufactured for the benefit of humankind.-

Cleveland Leader.

PLANTS FORCED TO BLOOM

Remarkable Effects of Etherization—How It Is Done.

By exposing the sleeping and tired out hyacinth to the influence of ether and chloroform science can make fi grow and blessom in just about onethird the time it takes nature to do it. Immediately after the treatment with ether the bulb begins to grow. The drug Myers. has awakened it from its normal sleep, activity and which causes its growth to that the ether has its effect. To force a opment, and science is trying now to \$2.20 a ton. A retort holding 1,300 apply to the plants—whether they can be awakened before their proper time and become strong and sturdy.

Mr. Johannsen, a German scientist, first began the experiment on willow hyacinths. Later he tried the ether at Clyde. Never before in the history of method on lilacs. As a result of these that place. experiments it was proved that the etherizing of the bulbs had no effect before the formation of the roots. The condition produced by the ether passed vanced sufficiently to cause budding.

Mr. Johannsen also made some expericonsiderable, and the development of the bud was in every way satisfactory, place. She intends to return to Boston and

The experiment was begun on Nov. 20, and on Dec. 19 part of the tulipa were not only fully matured, but strong over Sunday of the Misses Kearney and Mrs. and healthy.

His experiments with ligneous plants vere interesting and important. Lilaca grew splendidly when placed in an sirtight compartment and exposed 48 hours to the effect of 500 or 600 cubic centimeters of ether and then placed in a hothouse. The most important point in the process is to make the plants shoots at any time before the middle of De.

Mr. Johannsen has had lilacs blooming on the 10th of September, but they did not develop regularly. It has been Rev. Father Kavanaugh officiating, was proved pretty conclusively that the solemnized the marriage of Miss Mary Hol-

the middle of November. To etherize the plants, they are placed Charles Ford, both of Rochester. in an air tight receptacle and exposed from 24 to 96 hours (generally 48 hours) to the influence of the ether. Cylindrical glasses are used for small plants and for large plants an oil painted box, the interior of which is lined with tin foil, 4 feet high and long and 21/4 feet broad. On the lid a small hole is made, which spent the past week in Lyons. is closed with a cork, and the ether is conducted through this hole. As ether urday night last. aken not to bring candles or matches day. near it.

Firing Under Water.

In the harbor of Portsmouth, England, a 110 pound gun was fired under water with success. A solid plank platform weighted with granite was laid on the bottom. At low tide some divers placed the gan in position upon it. A target of oak beams and planks 21 inches thick was placed 75 feet distant. Behind the target the hull of an old vessel, with sheets of boiler plate three inches thick, riveted where the shell would strike if it succeded in passing through the target and was not deflected by the water, was anchored. A diver then loaded the gun and pointed it in the proper direction. A wire connected with the firing mechanism of the gun and also with an electric battery on shore in charge of the firing party. At high tide a current was sent to the spb; merged gun. There was a slight disturbance of the water over the gun, seen to rock and away and finally to

New Jersey Trolley Statistics, A report of the state board of assessore giving figures about the electric and street railroads in New Jersey for 1896 shows total receipts of \$5,770,171, against \$5,056,598 in 1895, an increase of \$718,578. The expenditures were \$8,546,168, against \$8,481,981 in 1895, in increase of \$114,286, and dividends paid \$124,220, against \$117,820 in 1895, an increase of \$6,900. The number of miles of track in the state is 618; capital stock paid in, \$88,285,150; funded debt, \$86,420,498, and other debts, \$4,279,896; total of capital and funded and unfunded debt, \$78,985,089; The total cost of railroads, including the equipment and appurtenances, is put at \$80,011,559, an average of \$180,-000 per mile of track.-Electrical Engineer.

Dangerous Metals. Lead is dangerous to all who use it in their work, as house painters, gilders, calico printers, type founders, potters and braziers. Mercury is also a foe to life. The makers of mirrors, barometers, theremometers, those who etch or color wool or felt, spon feel the effect of nitrate of mercury in teeth, gums and tig, sues of the body. Silver often kills those who handle it, and photographers, ester. Lead is dangerous to all who use it mes of the body. Silver often kills those who handle it, and photographers, makers of hair dye, inks and other preparations turn gray and are often evernowered by deadly weakness. Copper sometimes makes those who work with it lose teeth, evesight, and sometimes life.

Explosives as Medicines.

One of the best remedies for heart troubles, neuralgia, asthma and headache is nitroglycerin, which is the only dose is only one two-hundredth of a grain, dissolved in spirits of wine, or for the benefit of her health. combined in gelatin takiets. . Collodion, a sirupy looking liquid that is used to form a false skin over abrasions of the outicle, is nothing but gun cotton disit is one of the most dangerous of explosives, and yet, as a medicine, it has no equal for the purpose for which it is held from St. Francis de Sales church, and used -- Popular Science News.

## DIOCESAN NEWS.

L.vons. Mrs. Mastin Musray of Rochester was the

James D. Doyle was the guest over Sunwhich is due to a regular stoppage of Sunday of Miss Helen Weber of Palmyra. Miss Marie Walsh of Clyde and Miss. ston. It is on this cessation of activity Nellie Costello of Moravia were guesta of Lyons friends one day last week.

Peter Weedham is home again on a vacation on account of ill health. M. T. Bradley was in Ruchester last

Lyons has decided to celebrate the Fourth on Saturday in an old-fashioned manner. A large number of Lyonese attended the aremen's tournament Thursday and Friday

Clyde was there such a throng of people in

Mr. and Mrs. Thomas Fleming of Rochester are spending their vacation here, the guests of Mr. and Mrs. Lawrence Bradley. Miss Kaze Mackin surprised the people of before the growth of the roots had ad- Lyons who attended the graduating exercises of the Lyons Union school at Memorial hall last Friday with her fine vocal talments with tuling. The growth was cut. Miss Mackin has refused a specific as vocal teacher in the Union school of this

> take a two years' course in vocal music. Miss Rose Noonan of Clyde was the guest McDonald.

Miss Amna Denning of Newark was in town last week-Saturday. A large number of out of town people, friends and relatives of the graduates, were

in attendance at the exercisce last week FM. Lyens Union school has closed for its long summer vacation. Miss Noonan will

spend her vacation at her home in Civile. Miss Keamey will go to her home in LaRoy. cember, even as early as September and and Miss Halpin will spend most of hertime October. Tuesday evening at St. Michael's rectory.

ether is not beneficial if applied before ley of this village to Arthur J. Cobb of Rochester. The maid of honor was Miss Katherine Kelly, and the best man was Weedsport.

Miss F. Granev spent Sunday last in Au-

Misses Mayme Callahan and Mayme Fliam of relatives. Misses Mayme Grancy and Kittle Enright

I. McCarthy of Auburn was in town Sat

is very inflammable, great care must be M. J. Lawlor of Auburn was in town Mon-

Phil. Clime and William Welsh of Jordan were in town Monday. Mr. and Mrs. J. Sullivan of Cato spent Sunday last in town visiting relatives.

Stanley. The funeral of John Murphy took place from St. Theresa's church and the remains were taken to Geneva tor interment. He bore his sickness most patiently. To mourn his loss he leaves three children-Patrick'I. of Stanley, Mary, of Geneva, and James of Stanley. His children wish to extend their thanks to their friends and neighbors for their kindness to him during his illness.

Jerry O'Brien entertained a friend from Elmira last Sunday.

The Fourth will be celebrated at Gorham

John Barrett was in town over Sunday. Miss Mary O'Brien was the guest of Mrs. . J. Murphy over Sunday. Genava

James DeVaney left on Tuesday morning last for Elmira, where he has accepted a position in the Eclipse bleycle works in that now in position and the manfacturing of city. Mr. DeVanney was formerly a clerk shoes will soon begin. A large number of in Michael Doran's grocery store on Exchange street.

wacka

Mr. and Mrs. John Murphy of Bellona spent Sunday in Geneva, the guests of relatives and inends.

Mrs. Charles Harrington was the guest of ing. Miss Susie Dolan is to be commended relatives and friends in Geneva over Sunday. for excellent work done in this same limb. James McCarthy, who had the misfortine

Miss Margaret Merriman, accompanied by her brother William, of Rushville, spent Sunday in Geneva with friends.

Dennis F. Murphy, formerly clerk at Thomas A. Kane's grocery store, has opened agent's furnishing store.

Miss Mary Quait of Waterloo spent Sunday in Geneva, the guest of Miss Mary O'Conmorel North street.

Patrick Keileher, who at one time acted as clerk in Dennis Creedon's store, but the

ester. On Puesday last Mrs James McBride of where.

North street left for a visit with relatives and

Donough, on Wadsworth street, has re-

Miss Elizabeth Henessey of North street the church was well filled, with Catholics left on Tuesday morning for Denver, Colorado, for a visit with her sister, Mrs. Will-by Father Lampham's discourse. iam Sanders. She was accompanied by Mrs. explosive ingredient in dynamite. The Albert Flennessey, wife of ex-Trustee Hen-

Rochester on Tuesday on business.

was very largely attended.

Rev. Michael McManus of Lawrence. Mass., is at St. Francis de Sales parsonage, solved in alcohol. In its natural form the guest of Very Rev. William McDonaid. The funeral of Edward Devinney, whose death occurred last week, aged 73 years, was

Miss Mame Neughton essentied in merrage to William O. Necley at Corpus Christi parsonage on Monday, June 21st. Rev. Father Leavy officiating! Miss Naugh-ton is a daughter of John Naughton of this city, and Mr. Neeley is proprietor of the

Corner Drog store, this city. Miss Margaret Burke of Clinton street has returned home from a visit with friends in

The funeral of Mrs. William Thomas, for-merly Miss Lillian Thornton of this city, whose death occurred on Wed, esday even. ing, June 23d, was held from St. Francis de Sales church on Saturday moroing last, and was very largely attended. Requiem mass was celebrated by the Rev. S. V. McPad. Mr Eugene Finnegan formerly of Willard, den, Rev. Father McDonald occupying a and a recent graduate of a Ballimota Colacat in the sanctuary. Mrs. Thomas was a lega of deritistry called on friends, here, last daughter of Abraham Thornton, and was wook. Mr. Rinnigan is now located as highly respected by all who knew her. Her Union Springs, His many friends wish him death is a great loss to the community at success. large. The flowers were many and beautiful- and consisted of many choice pieces. The pall bearers were Edward O'Dek. Thomas Rogers, William Broderick, Richard McCoy, Samuel Taylor and Banjamin Harvey. A very large number followed the remains to St. Patrick's comatery, where they were laid to rest. Mrs. Thomas leaves besides her husband, a father, mother, three brothers and three sisters to mourn their loss. CARD OF THANKS.

We wish to express our thanks to those who so kindly assisted and so carnesily sympathized with us in our recent bereavement in the loss of a loving wife and

WILLIAM H. THOMAS. ME and Mrs. A. B. THORNTON Thomas Gallagher of Auburn spent Sun-day in Geneva, the guest of his mother on

The marriage of Miss Margaret Judd of Rochester's announced to occur in the near friends here last week.

late very Rev. James T. McManns, V. G. of the diocese of Rochester and late pastor of St. Francis de Sales church of this city, which was announced to be held on Monday morning, was postponed until Thursday morning. The mass was celebrated by his nephew, Rev. Michael McManus of Law rence, Mass., and was very largely attended William Thomas, Frank Rogers and William Thomason were in Rochester on Sunday to visit Sister de Sales at the Convent of

Mercy, where she lies seriously ill. Slater de Sales is a sister of the late Mrs. Thomas, whose death is announced elsewhere. Miss Katherine Dinneen of Washington

guest of friends. The Catholic church at the corner of Main and William streets was the scene of commencement exercises of a high order Monday evening. The hullding was growded to mother, brothers and sisters. Her surviving the doors with the relatives and friends of the pupils of St. Francis de Sales school. In many respects the audience there congregated was a representative one. Shortly and one brother Timothy Daylor and one after 5 o'clock the exercises were inaugurated. Mrs. Burns was are spending a few days in Syracuse, guests after 5 o'clock the exercises were Inaugu-

> or their patient work. It is needless to say hat the programme met the unqualified approval of the large audience, and that fre-liam H., and Katharine Durkin, were hap-uent applause was the rule
>
> During the past week the annual exami
> by Father Holmes. for their patient work. It is needless to say that the programme met the unqualified approval of the large audience, and that fre-

quent applause was the rule nations have been going on at the school. These are now completed, and Monday and Tuesday evening a exercises included the Tuesday evening a exercises included the awarding of the prizes and the entertains ment. The graduating class of '07 is as folsows: Frederick T. Burns, James L. Mar. Mr. lone, Michael F. Devaney, Anna T. Lyach, May S. Auna M. Claffey, Elizabeth P. Lydon, May S. Mary C. Coursey, Sarah C. Quinn, Sarah L. Sweeney, Teress A. Hogan, The donors of prize medals are: Daniel E. Moore, Bernard Borgman, Timothy F. O'Brien, Stephen Coursey, Thomas A. Kare, Tharman phen Coursey, Thomas A. Kane. The recipients of prize medals are; For highest standing in regents' examinations, Anna T. Lynch; for Christian doctrine, Mary Mc-Namara; for catechism, Helen Carney; for deportment, Bernard Blanch; for regular attendance, Anna Claffey.

One-half the extensive machinery ordered by P. W. Kane forhis new shoe factory is

Capt. J. P. Daily of New York is in Geneva and is being greeted by his many Miss Mary Gorman, of Ceraing is the friends. He will remain here for a few guest of Miss Dell Whitbeck.

Miss Verotics Walters is spending the summer with Mrs. M. H. McGovern. Miss Sara Gavis won the second prine in it the the speaking contest held on Monday even-ing. Miss Susie Dolan is to be commended

Miss Anna Finocone was married on to have the thumb of his left hand taken of Wednesday. June 23, at Honeove Falls, to a few weeks ago in the Standard Optical Michael Eagan, of Lima. Miss Mary R. works, is slowly recovering and will soon be able to resume work, to the delight of his many friends.

The bride has for a number of years conmany friends. ducted a millinery business in this place, and has many friends here who wish her

happiness and prosperity. Mr. C. Wher, of Rochester was in town

The reception given recently by the lecal.

A. O. H. to the ladies auxiliary was a very pleasant affair. Brief addresses were made. by T. S. Burns, president of the branch, Wm. Hyland, county president and Listle O'Kain, president of the auxiliary, and a musical and literary programs rendered. Supper was served in the rooms. Dancing followed. About 150 persons were present-

Charles Le liceton died at his home on Main street in this village on June 21st. The funeral occurred on Thursday morning from St. Michael's church. Mr. and Mrs. Cornellus Mangan have

removed to Rochester. Miss Mary E. Mende is spending her vacation with friends in Bussio and size.

friends in Ruffalo.

Miss Theresa Fitzsimmons of Ovid, who has been the guest of Mr. and Mrs. Thomas Donough, on Wadsworth street, has rewas recently ordained a priest. The alters were beautifully decorated, with flowers and

The graduating exercises of the class of Dennis Keleher of Exchange street was in Rochester on Tuesday on business. Kelly, who was the salutatorish of the class delivered a very interesting essay on "The Little Things of Life." Miss Phalen's essay was also one of the best of the evening Her subject being "Woman, The Wage-Earner and Home Maker."

> Ripans Tabules cure bilioussess. Ripana Tabules cure bad breath.

Last Sunday night fire was discovered to the west room of the C. W. Seminary at this place. The building stude a few feet room the main one; and we's burneck together with the few house. The four is alight. The remains of Mrs. Mary Dung who

died in Rochester last Tacaday, were interred Mrs. Cornelius is a mother of a ten pound

Peter Finnigan and son Thomas, spen

Sunday in Rochester.

Mrs. Cornellas Breen and little son bave returned from a visit to friends at Canan-

The game of base ball between Seneca Falls and Willard resulted in victory for the former. Score, Seneca Falls 21; Willard 9. The new store of Mr. Batdridge is open.

Miss Helen Meath is spending her vaca-tion with relatives in Canandalgus and Buf-Miss May Luckren, was called to Farmer on Saturday lest to attend the funeral of her aunt. Mrs. John Lockren, who died of con-

emmption on the ar ult-Miss Mary and Lissie Ryan spent less week at their home in Ovid. Mr. John Hager, of Auburn, formerly a Willard, spent Sunday with friends here.

Mr. P. Lyman has returned from a visit to relatives in New York. Mr. James Rellly, of Penn Van, called on

Miss Margaret Tools has recovered from severa attack of measies.

On Saturday evening last, the employee of the hospital gave a grand ball. The occa-sion was a most enjoyable one. Travis' orchestra furnished the music,

The extension of the hospital buildings are being newly painted, which adds greatly to their appearance. A cinder path for bicycles is soon to be

laid between Ovid and Willard, in the mear Tuture.

Massdon.

On the sard of June died a Christian roman, Bridget, wife of John Burns, of Miss Katherine Dinneen of Washington of Farmington, having passed away on that street is spending a few days in Aurora, the day. She was born in Gleaville, County Cork, Ireland. She was the daughter of Patrick Daylor and Bridget O'Keare, being the youngestol five children. She emigrated to this country in 1851 with her widowed rated with Bulfc's, "Bohemian Girl," and inher sixtleth year. She bore her long listens the entire programme was of a character to with exemplary patients. In her death the mark it as the production of those who had been well drilled. Too much cannot be said of the manner in which the papils of St. Fracis de Sales school acquitted themselves, and the Sisters in charge are deserving of the warnest praise for their nation was a Palmyra.

Sodus Peint. Mr. and Mrs. A. Ryan, of Rochester, have been visiting friends here for the past

week. Mr. Arthur Ewing, of Elmits, and Miss May Sentell, were united in marriage at the realdence of the bride's parents. Wednesday evening Mr. and Mrs. Ewing last for Dus-kirk where Mr. Ewing Is engaged in busi-

Mrs. Tinklepaugh, an old resident of this place, aged 73 years, died at the home of her daughter Mrs. Captain Wick. The funeral was held Menday. Interment in odus Cemetery.

The Northern Central rams a Sunday train, which makes connection with the M. Y. C. 

Nearly all the cottages on Sand Point and Islands are occupied by their Ogners. Miss J. Manor and Kessa Messant spent Tuesday and Wednesday in Elmira attenting a wedding.

Ing a welding.

The R. P. Bank of Kingston was hope Monday for a cargo of soft soul.

Mrs. Charles Fastherley and daughter have returned from a trip to Rocksafer.

Mrs. R. McGivers, of Toronto, Canada, is the guest of Mr. and Mrs. Charles Fastherly.

William Robertson, an employee of the Wild West show recently exhibiting at Chattapooga, was married at other day to Cynthia Renna of Hill City, a subject of Cashtapooga the caremony took place in the car of a payloon, and as soon as the words were permounced making she companies and wife the ropes were out and they must ed on a heidil tony through pidain When the balloon was around 100 feet up, the bride became frightened said jumped landing in the fernesses river, the was rescued by man in bosts.

The midegroom staid in the selloos

until a height of property 1,000 feet had been reached, when we make y derounded in a parachute.—New York.

African Ports In Chrysland Professor Odenicals of 34. Ignative collego lately discovered the presence in a west side bones. Cleveland, of termites or white ants, the African pest. So for as is known termites have peyer before been seen alive in this pert of the world. They are indigenous to Africa. where they build great earth structures

as high as trees.

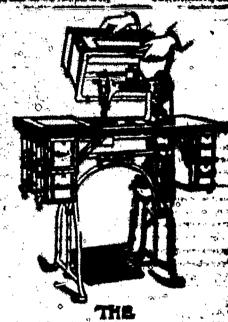
They have been found in some Ruropean countries. It is supposed that an immigrant came from sours out of these countries to Cleveland with a new of termites in his tronk.

Reported Miracle at Leurisia. From Loreder recently onto the tale of the miraculous cure of a young we an of 28 who had been paralysed since she was I years of age. She sould neither sit upright nor turn in her bed without assistance, nor could she walk a step without support. After two battles at Lourdes she was able to walk as easily as any one and assembled the people of Forgers by walking thousands.

the town on Assession day.

Hood's Piets in the

Domans Sick-Call



IRES Vulcanized MAXSON, ills of humanics